ORDER NO. MGCS950701C0
(Standard Version)

Service Manual

Facsimile

UF-S1
UF-A8100

UF-S1 AND UF-V60 SPECIFICATION COMPARISION TABLE\СРАВНИТЕЛЬНАЯ ТАБЛИЦА ТЕХНИЧЕСКИХ ХАРАКТЕРИСТИК ФАКСОВ UF-S1 И UF-V60
DISASSEMBLY INSTRUCTIONS\ПОРЯДОК РАЗБОРКИ
MAINTENANCE, ADJUSTMENTS AND CHECK POINTS\РЕГУЛИРОВКИ, НАСТРОЙКИ, ТОЧКИ ПРОВЕРОК
- **Required tools\необходимые инструменты**
- **Periodic maintenance points\точки периодического обслуживания**
- **Periodic maintenance check list\список периодических проверок**
- **Program ROM\постоянное запоминающее устройство (ПЗУ)**
- **Schematic diagram\упрощенная схема**
- **SC PC board\основная плата**
- **Power supply PC board\плата питания**
- **NCU PC board\плата сопряжения с телефонной линией**

INFORMATION CODE TABLE\ИНФОРМАЦИОННЫЕ КОДЫ
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- **Print a test pattern\тестовая распечатка**
- **Function parameter\функциональные параметры**
- **System RAM edit\редактирование содержания ОЗУ**
- **RAM data printout\распечатка содержания ОЗУ**
- **CIS test\проверка сканера**
- **Tonal signal generation\тест генератора несущей**
- **RAM initialisation\инициализация ОЗУ**
- **DTMF signal generation\тест генератора тональных сигналов**
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- **ID no setting\установка идентификатора**
- **CIS training\инициализация сканера**

REMOTE CONTROL FEATURE\ФУНКЦИИ ДИСТАНЦИОННОГО УПРАВЛЕНИЯ
EXPLODED VIEW & REPLACEMENT PARTS LIST\СБОРОЧНЫЕ ЧЕРТЕЖИ И СПИСОК ЗАПАСНЫХ ЧАСТЕЙ

Panasonic

1.3 UF-S1 and UF-V60 Specification Comparison Table

Refer to the comparison table below for the different points between UF-S1 and UF-V60 specifications.

Specification Comparison

Items	UF-S1	UF-V60	Remarks
1. MAIN SPECIFICATION			
Compatibility	G3	←	
Modem Speed (bps)	9600/7200/4800/2400	←	
Coding Scheme	MH	MMR/MR/MH	
MWS	Yes	←	
ECM	No	Yes	ITU-T (CCITT)
Short Protocol	Yes(B)	←	
Transmission Speed	Approx. 15 sec	Approx. 10 sec	
2. SCANNER MECHANISM			
ADF Capacity	No	10 sheets	
Document Size (Max.)	216 mm x 1000 mm	257 mm x 800 mm	
Document Size (Min.)	55 mm x 90 mm	148 mm x 105 mm (A6)	
Effective Document Width	205 mm	208 mm	
Scanning Device	CIS	CCD	
Scanning Resolution (line/mm)	8 x 3.85 / 7.7	8 x 3.85 / 7.7 / 15.4	
Scanning Speed (A4, STD)	12 sec	←	
3. PRINTER MECHANISM			
Recording Method	Thermal	←	
Recording Paper Width	A4	←	Letter size for North, C&S America
Recording Paper Length	15 m	30 m	1/2 inch core
Effecting Printing Width	205 mm	←	←
Automatic Paper Cutter	No	Yes	←
4. MEMORY			
Voice / Document Memory	Yes 12 min. or 25 pages (0.5MB)	Yes 9 min. or 50 pages (1MB)	Flash Memory
5. COPY QUALITY			
Half Tone	64 levels	←	
Super Fine (8 x 15.4 lines/mm)	No	Yes	ITU-T
Original Contrast Selection	No	Yes	3 levels

Specification Comparison

Items	UF-S1	UF-V60	Remarks
6. DIALING / TELEPHONE FEATURE			
One-Touch Auto Dialing	5	←	
ABBR. Auto Dialing	No	15	
Auto Dialing Location	15 (Max.)	20 (Max.)	
Digits of Telephone No.	36 (Max.)	←	
Digits of Station Name	15 (Max.)	←	
Directory Dialing	10	←	Sequential ABBR. Dialing Search (UF-V60)
Full Number Dialing (Buffered Dialing)	Yes (1)	Yes (3)	
Direct Dialing (Monitor Dialing)	Yes	←	←
Automatic Redialing	Yes	←	Standard : 2 times with 3 minute interval
Manual Redialing	Yes	←	
Chain Dialing	Yes	←	Only for Monitor Dialing, Off-Hook Dialing
Line Monitor Speaker	Yes	←	
Mercury Key	Yes	←	Only for U.K.
Dialing with Power Failure	Yes	←	Only for U.K., Italy, China
Hold Key	Yes	←	
Pulse/Tone Dialing	Yes	←	Slide Switch
Pulse to Tone Change	Yes	←	* key
Flash Key	Yes	←	
Telephone Handset	Yes (New Type)	Yes	
7. RECEIVE CONTROL			
Fax/Tel Autoswitch	Yes	←	←
Voice Answer for Fax/Tel Autoswitch	Yes (User Recording)	←	4 sec + 8 sec (OGM1 (First OGM) + OGM2 (Last OGM))
Non-Ringing Reception	Yes (Fax Unit)	←	Fax/Tel, Fax/TAM
Ring Counter	1 - 9	←	
External TEL Communication	No	Yes	
External TAM Interface	No	←	
Remote Reception	Yes (only Parallel TEL)	Yes	Depending on country
User-Friendly Reception	Yes	←	CNG Detection during telephone conversation

Specification Comparison

Items	UF-S1	UF-V60	Remarks
7. RECEIVE CONTROL			
Distinctive Ring Detection	Yes	←	Hong Kong, Australia, Singapore
Reception Mode Switching Timer	No	Yes	Out/In or Ringing/No Ringing (Fax/Tel)
8. TRANSMISSION FEATURE			
Memory Transmission	No	Yes (Max. 50 pages)	Page Re-transmission
Multi-Station Transmission	No	Yes (Max. 23 stations)	
Deferred Transmission	No	Yes (ADF/Memory)	
Reception Notice	No	Yes	Transmission of formatted message
9. RECEPTION FEATURE			
Substitute Memory Reception	Yes	←	
Receive into Memory	No	Yes	
10. POLLING FEATURE			
Polling Reception	Yes	←	ITU-T Standard
11. CONVENIENCE			
Panel Display	16 chara. x 1	20 chara. x 1	Alphanumeric
Help Function	Yes	←	
Voice Contact	No	Yes	
12. COPY FEATURE			
Single Copy	Yes	←	
Enlarge Copy	Yes	No	
Multiple Copy	No	Yes	
13. CERTAINTY			
Verification Stamp	No	Yes (Face side)	
Header/Total Page Print	Yes (Only Header)	←	
Transaction Journal	No	Yes	
Communication Report	Yes	←	

Specification Comparison

Items	UF-S1	UF-V60	Remark
14. LIST PRINTOUT			
Speed Dial List	Yes	←	S1:One-Touch/Directory Search V60:One-Touch/ABBR.
Fax Parameter List	Yes	←	
Help Print	Yes	←	Help Function
15. IDENTIFICATION			
Logo	Yes (Max. 25)	←	
Character ID	Yes	←	First 16 characters of Logo is used
Numeric ID	Yes (20)	←	
16. SPECIAL COMMUNICATION FEATURE			
Selective Reception	Yes	←	
17 TAM FEATURE			
Built-In TAM	Yes (12 min.)	Yes (9 min.)	
ICM Recording Counter	Yes (Max. 99 calls)	←	30 , 60 or 90 selectable
OGM	Max. 30 seconds	←	Max. 30 sec (User Recordable)
Message Transfer	Yes	←	
Toll Saver	Yes	←	2/5 ringing
Time Stamp	Yes (DD/HH/MM)	←	On the LCD
Memory/2-Way Recording	Yes	←	
18. REMOTE CONTROLLED FEATURE			
In/Out Switching	Yes	←	
ICM Playback/Skip/Erase	Yes	←	
Memory Received Document Retrieval	No	Yes	
Receive into Memory Mode Setting	No	Yes	
Fax Bulletin Retrieval/Erasing/Storage	No	Yes	
Message Transfer Enable/Disable	No	Yes	
Fax Transfer Enable/Disable	No	Yes	
Destination Tel No. Change for Message Transfer	No	Yes	

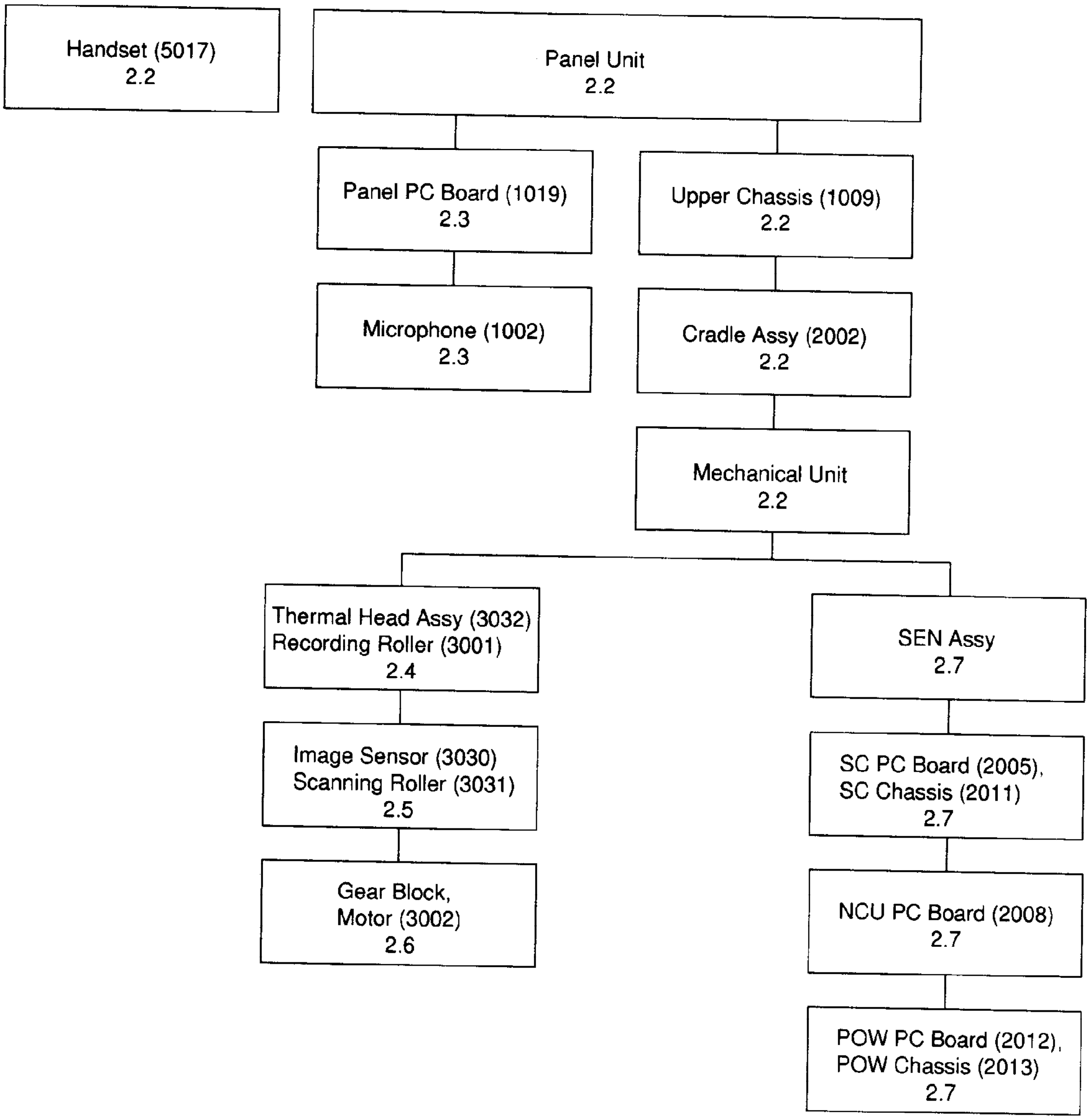
Specification Comparison

Items	UF-S1	UF-V60	Remarks
18. REMOTE CONTROLLED FEATURE			
Destination Tel No. Change for Fax Transfer	No	Yes	
OGM Recording	Yes	←	
19. OTHERS			
Remote Diagnostic	Yes	←	
Internal Demo	Yes	←	
Clock Backup	Yes	←	
Private Call	Yes	No	
20. LANGUAGE			
Control Panel	Depending on country	←	
LCD Screen	Depending on country	←	
Journal/List/Printouts	Depending on country	←	
User's Guide	Depending on country	←	
Quick Reference Guide	Depending on country	←	
Carton Box	English	←	
21. ATTACHMENT AND ACCESSORIES			
Recording Paper	1 (15m)	1 (10m)	Installation Purpose (UF-V60)
Telephone Handset	1	←	
Telephone Line Cord	1	←	
User's Guide	1	←	
Quick Reference Guide	1	←	
Curl Cord	1	←	
Power Supply Cord	1	←	
Recording Paper Stacker	No	1	
Directory Sheet	No	1	
22. CONSUMABLES			
Recording Paper	THM-393E	THM-371F	V60 : Germany only
	THM-393E	THM-371E	V60 : Other Countries
	THM-493E	THM-431F	North, C & S America

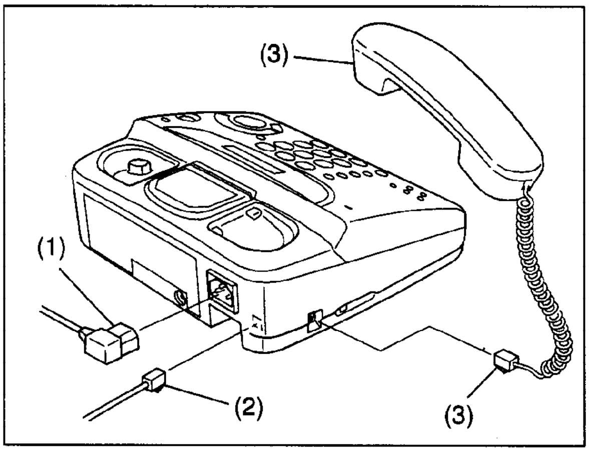
Specification Comparison

Items	UF-S1	UF-V60	Remarks
23. CONSTRUCTION			
Dimensions	Approx. 266 x 231 x 93 mm	Approx. 401 x 269 x 126 mm	
Weight	Approx. 2.5 Kg	Approx. 4.5 Kg	
24. POWER SUPPLY			
AC180-264V, 50/60Hz, Single Phase			
25. ENVIRONMENT			
Operating environment			
Temperature	5 to 35 °C		
Relative Humidity	20 to 80 % RH		
Storage Environment			
Temperature	-10 to 55 °C		
Relative Humidity	10 to 85 % RH		
Transportation Environment (Max. 72H)			
Temperature	-30 to 60 °C		
Relative Humidity	10 to 85 % RH		
26. STANDARD			
ITU-T	Rec. T3, T4, T30		
Safety	IEC 950		
Telephony	PTT requirement		
EMI			

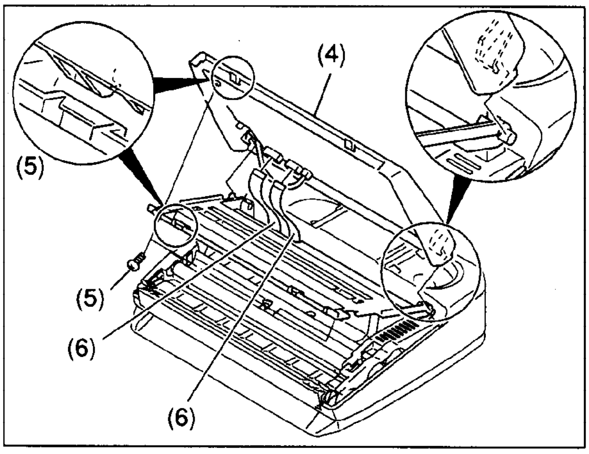
2.1 General Disaseembly Flowchart


Handset (5017)
2.2
Panel Unit
2.2
Panel PC Board (1019)
2.3
Upper Chassis (1009)
2.2
Microphone (1002)
2.3
Cradle Assy (2002)
2.2
Mechanical Unit
2.2
Thermal Head Assy (3032)
Recording Roller (3001)
2.4
SEN Assy
2.7
Image Sensor (3030)
Scanning Roller (3031)
2.5
SC PC Board (2005),
SC Chassis (2011)
2.7
Gear Block,
Motor (3002)
2.6
NCU PC Board (2008)
2.7
POW PC Board (2012),
POW Chassis (2013)
2.7

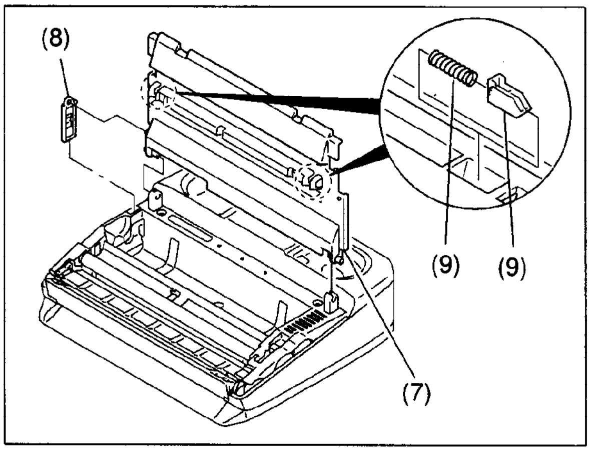
2.2 Panel Assy, Upper Chassis (1009), Cradle Cover Assy (2002), Speaker Assy , Mechanical Unit and ROM.



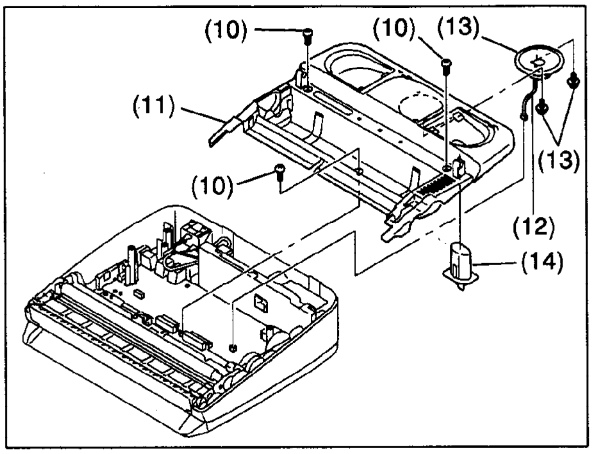
1. Disconnect the ***Power Cord*** (5014).
2. Disconnect the ***Line Cord*** (5015).
3. Remove the ***Handset*** (5017) and the ***Handset Cord*** (5016).



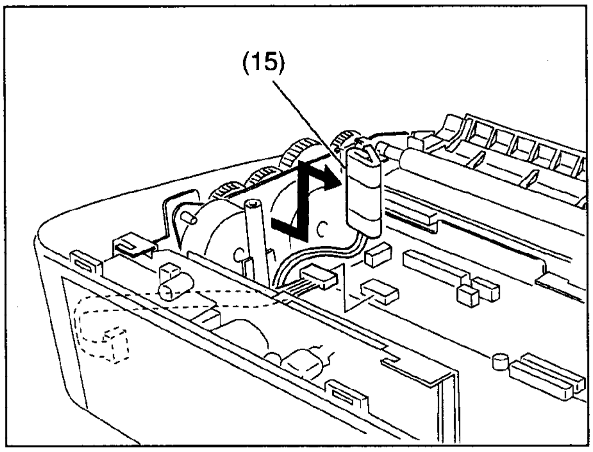
4. Open the ***Cotrol Panel.***
5. Two ***Screws*** (C5) and the ***Panel PC Board*** (1019) (for U.K. only)
5. Release the two ***Latches*** and the ***Panel PC Board*** (1019). (for other countries)
6. Disconnect the ***FFC, PNL1 Cable*** (4003) and ***FFC, PNL 2 Cable*** (4004). (for U.K., Italy and China)
6. Disconnect the ***FFC, PNL 2 Cable*** (4004). (for other countries)



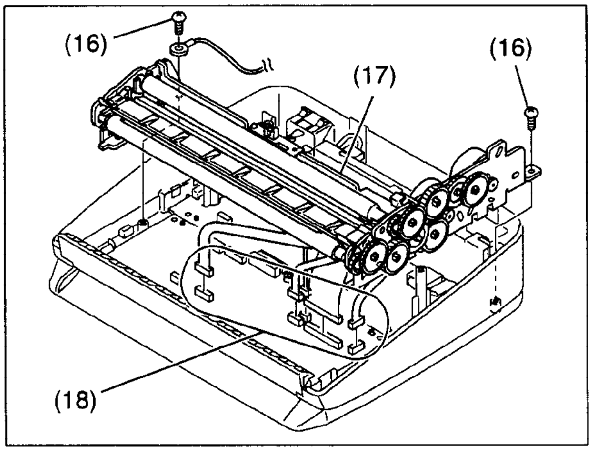
7. Remove the ***Upper Chassis*** (1009).
8. Remove the ***S-Stopper*** (1020).
9. Remove the ***Coil Spring*** (1008) and release the ***Latch*** (1007).



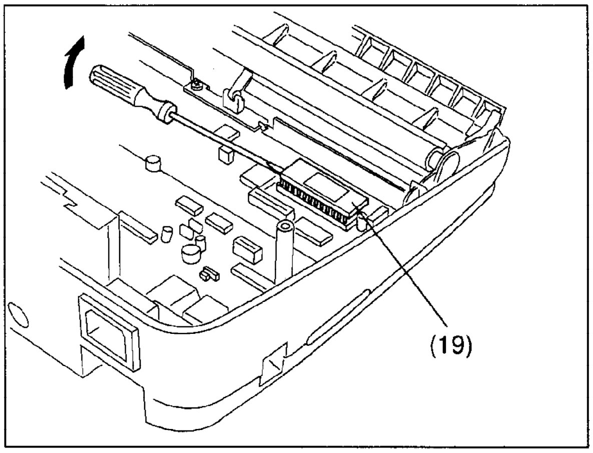
10. Three ***Screws*** (1Y).
11. Remove the ***Cradle Cover Assy*** (2002).
12. Disconnect the ***Speaker Cable***.
13. Remove the two ***Screws*** (C2) and ***Speaker Assy***.
14. ·Remove the ***Hook Button*** (2005).



15. Remove the ***Heat Fuse***.

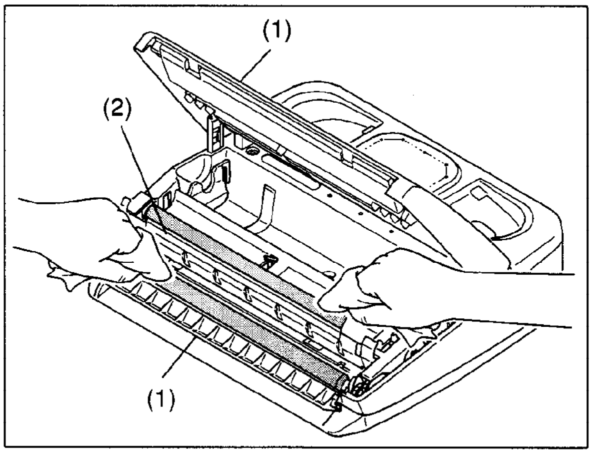


16. Two ***Screws*** (1Y).
17. Remove the ***Mechanical Unit***.
18. Remove the ***Image Sensor Cable*** (4014), ***Thermal Head Cable*** (4013), ***Document Sensor Cable*** (4015) and ***Motor Cable 1, 2***.



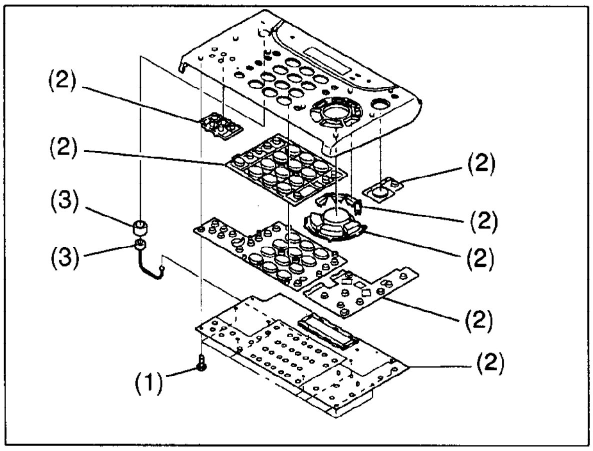
19. Remove the ***ROM***.

Cleaning the Scanning Roller (3031) and Recording Roller (3001).



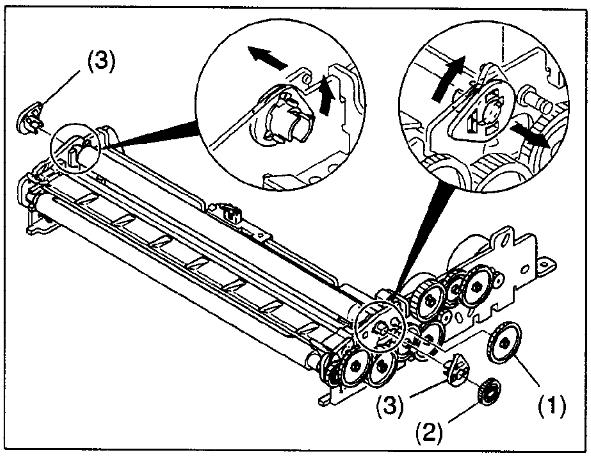
1. Open the ***Cotrol Panel*** and The ***Front Cover*** (2002).
2. Open the ***Paper Chassis*** (3017).
3. Clean the ***Scanning Roller*** (3031) by pressing STOP button repeatedly to rotate roller and the ***Reocrding Roller*** (3001) using a soft cloth soaked with ethyl alcohol.

2.3 Panel PC Board (1017), Microphone (1002)

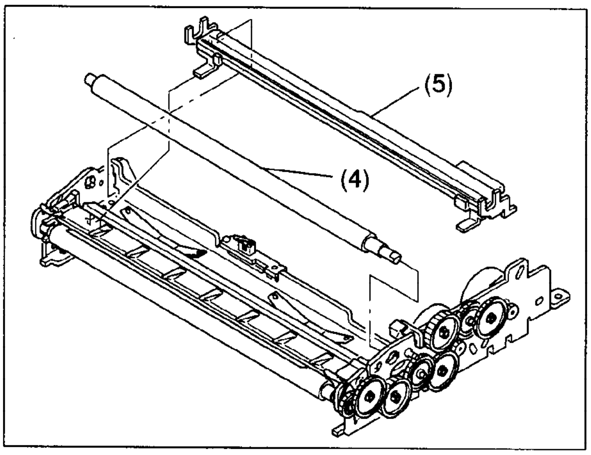


1. Seven ***Screws*** (7B) (for U.K. only)
1. Nine ***Screws*** (7B) (for other countries)
2. Remove the ***Panel PC Board*** (1019), ***Click Sheet A*** (1018), ***Click Sheet B*** (1017), ***Button A*** (1016), ***Button B*** (1013), ***Button C*** (1011), ***Button D*** (1014) and ***LED*** (1015).
3. Remove the ***Microphone Cover*** and ***Microphone***.

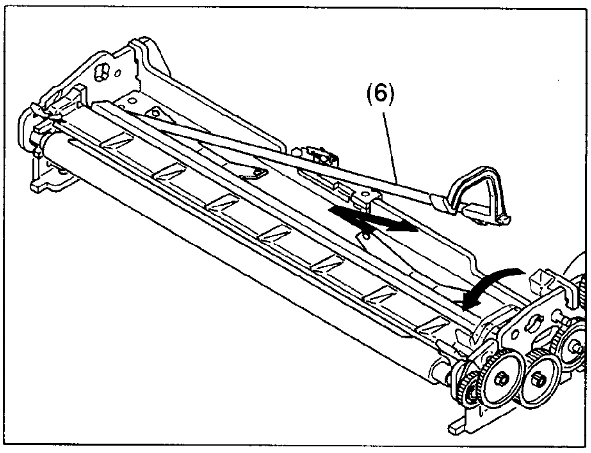
2.4 Thermal Head Assy (3032) and Recording Roller (3001)



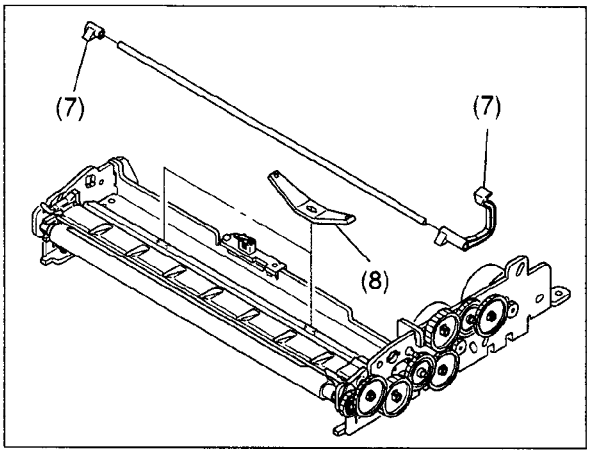
1. Remove the ***F Gear*** (3025).
2. Remove the ***D Gear*** (3024).
3. Remove the ***Bush*** (3013) of both side by rotating 90°.



4. Remove the ***Recording Roller*** (3001).
5. Remove the ***Thermal Head Assy*** (3032).

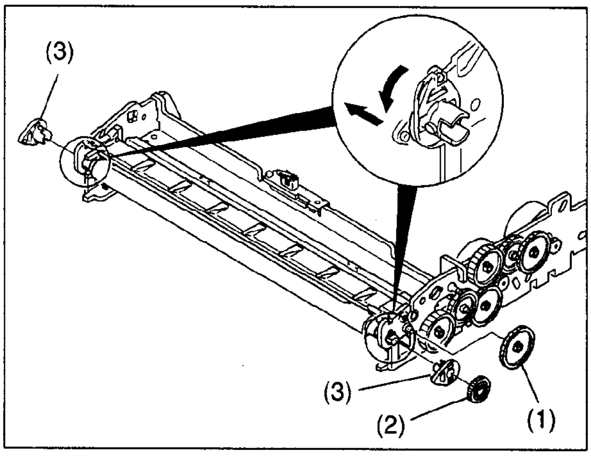


6. Remove the ***Release Lever*** by rotating 90°.

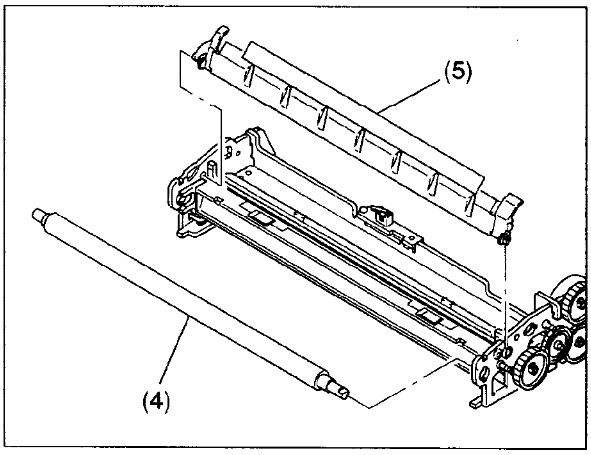


7. Remove the ***CAM*** (3007) and ***Release Lever*** (3009).
8. Remove the two ***Spring Plate*** (3005).

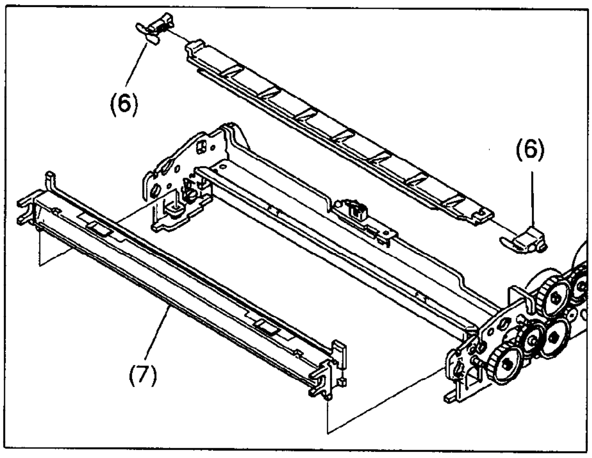
2.5 Image Sensor (3030) and Scanning Roller (3031)



1. Remove the ***F Gear*** (3025).
2. Remove the ***D Gear*** (3024).
3. Remove the ***Bush*** (3013) by rotating 90°.



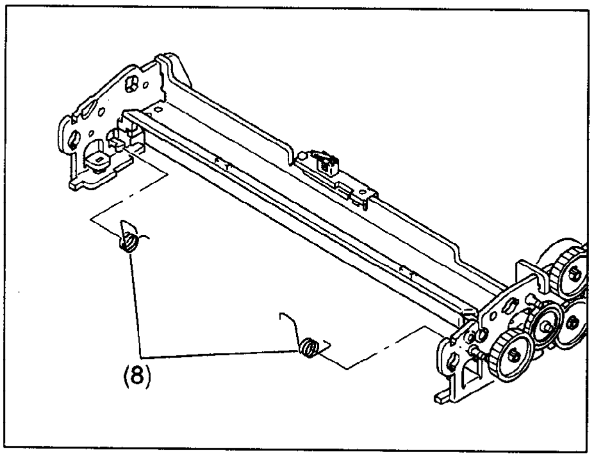
4. Remove the ***Scanning Roller*** (3031).
5. Remove the ***Paper Chassis***.



6. Remove the **Guide Lever L** (3016) and **Guide Lever R** (3020).
7. Remove the **Image Sensor** (3030).

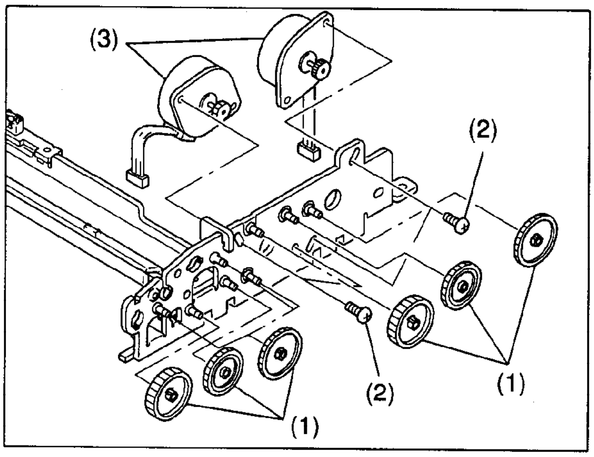
Note

Please operate CIS Training by referring 5.13 Test Mode 15 in the Chapter 5 after you replaced CIS.



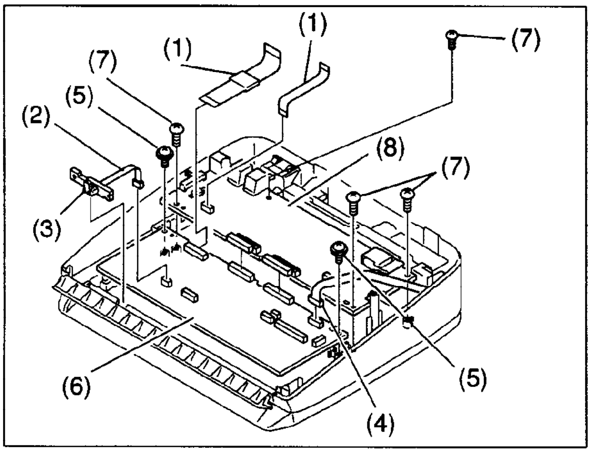
8. Remove the **Spring Coil L** (3015) and **Spring Coil R** (3021).

2.6 Motor



1. Remove the four **F Gears** (3025), two **F Gears** (3027) and two **F Gears** (3026).
2. Four **Screws** (19)
3. Remove the **Motors** (3022).

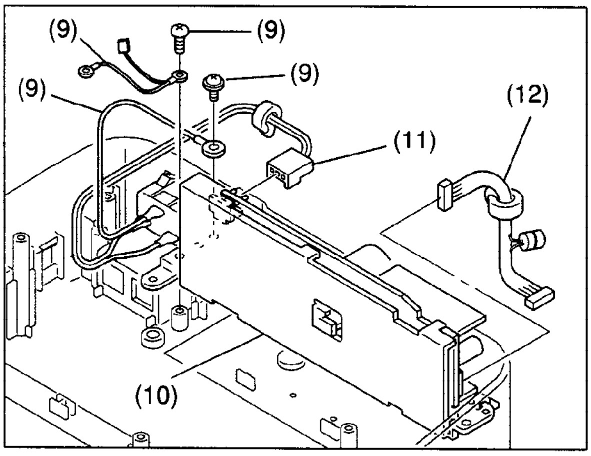
2.7 SEN Assy, SC PC Board (2005), NCU PC Board (2008) and POW PC Board (2012)



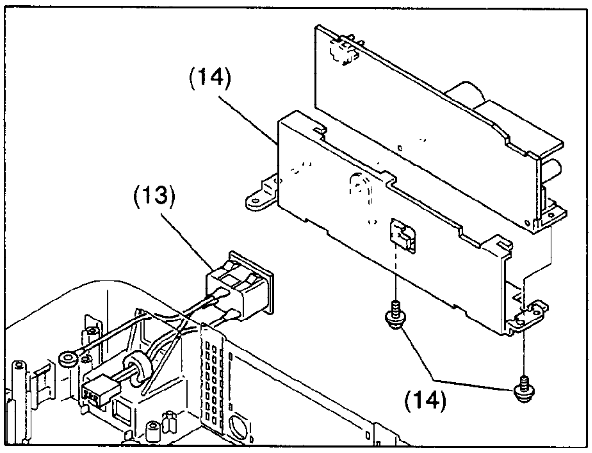
1. Remove the ***FFC***, ***PNL 1 Cable*** (4003) and ***FFC, PNL 2 Cable***(4004). (for U.K.)
1. Remove the ***FFC***, ***PNL 2 Cable*** (4004). (for other countries)
2. Disconnect the ***Document Sensor Cable*** (4015).
3. Remove the ***SEN Assy***.
4. Disconnect the ***POW Cable*** (4011).
5. Two ***Screws*** (C4)
6. Remove the ***SC PC Board*** (2005).
7. Four ***Screws*** (19).
8. Remove the ***NCU PC Board*** (2008).

Note

Please operate CIS Training by referring 5.13 Test Mode 15 in the Chapter 5 after you replaced SC PC Board.



9. Two ***Screw*** (24) and remove the two ***FG Cables***.
10. Remove the ***POW Assy***.
11. Disconnect the ***POW2 Cable***.
12. Remove the ***POW Cable*** (4011).



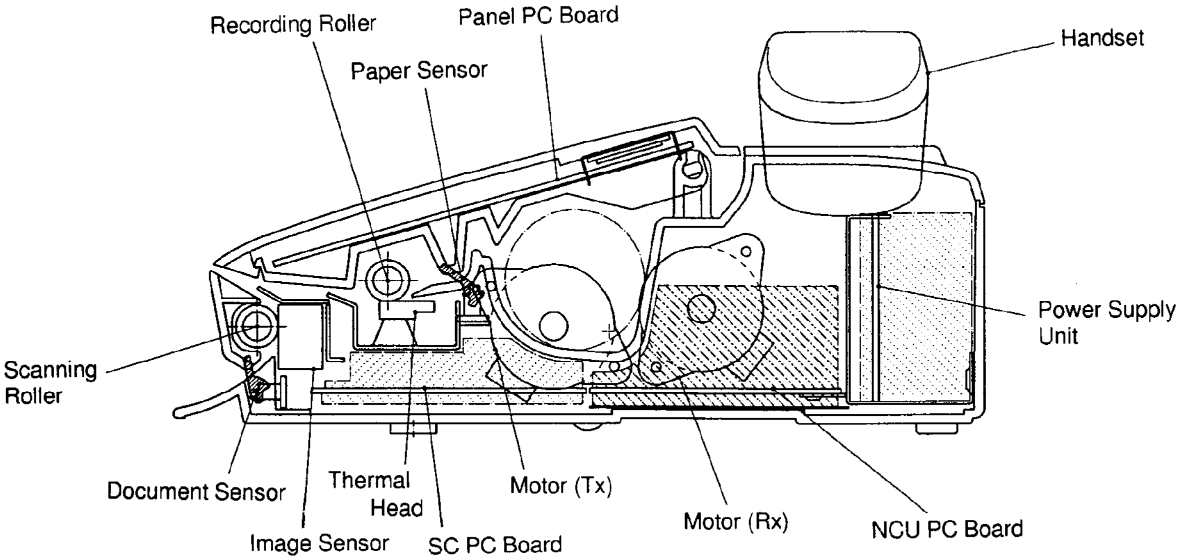
13. Remove the ***Inlet*** (4007).
14. Two ***Screw*** (C3) and remove the ***Power Chassis*** (2013).

3.1 Required Tools

Tool List

No.	Tool	No.	Tool
1	Soft Cloth	5	Tweezers
2	Ethyl Alcohol	6	Pliers
3	Phillips Screwdriver (#0) (#2)	7	Cotton Swab
4	Blade-tip Screwdriver (3/32 in)	8	Brush

3.2 Periodic Maintenance Points


Recording Roller
Panel PC Board
Paper Sensor
Handset
Power Supply Unit
Scanning Roller
Document Sensor
Thermal Head
Image Sensor
SC PC Board
Motor (Tx)
Motor (Rx)
NCU PC Board

3.3 Periodic Maintenance Check List

The chart outlined below is a general guideline for maintenance. The example list is for an average usage of 50 transmitted and received documents per day. Needless to say, the environmental conditions and actual use will vary these factors.

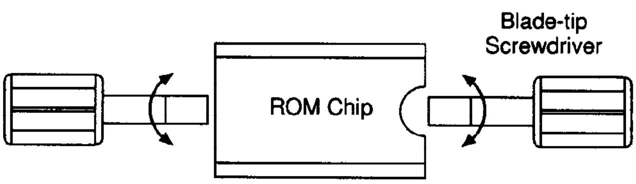
The chart below is for reference only.

Periodic Maintenance Check List

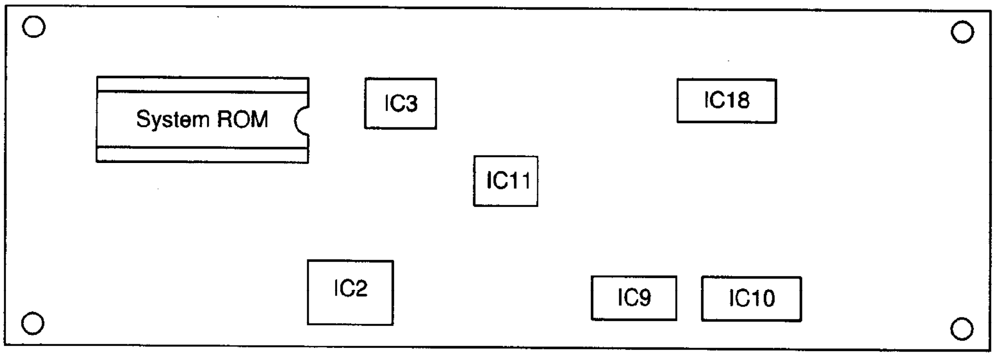
Maintenance Item	**Cleaning**		**Replacement/Adjustment**	
	Cycle	**Method**	**Cycle**	**Method**
Scanning Roller	3 months	Page 2-8	1-3 years (10,000 documents)	Page 2-12
Image Sensor	3 months	Page 2-8	5 years	
TX Motor	-	-	5 years	Page 2-17
RX Motor	-	-	5 years	Page 2-17
Thermal Head	3 months	Page 2-6	4 years	Page 2-10
Recording Roller	3 months	Page 2-6	5 years	Page 2-5

3.4 Program ROM

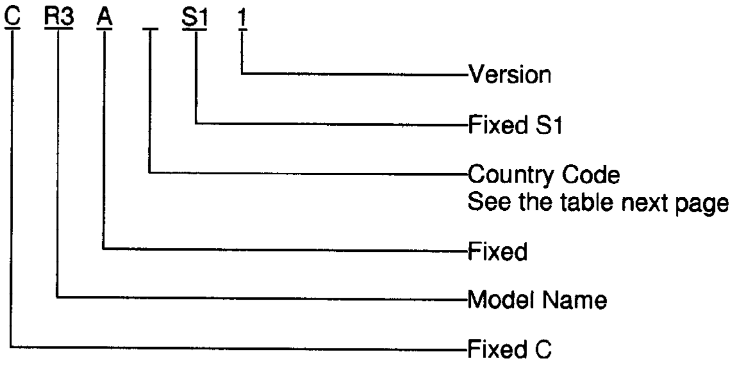
3.4.1 Replacement Procedure (ROM is mounted on SC PCB.) (Refer to section 2.2)


Blade-tip
Screwdriver
ROM Chip

3.4.2 ROM Location


System ROM
IC3
IC18
IC11
IC2
IC9
IC10

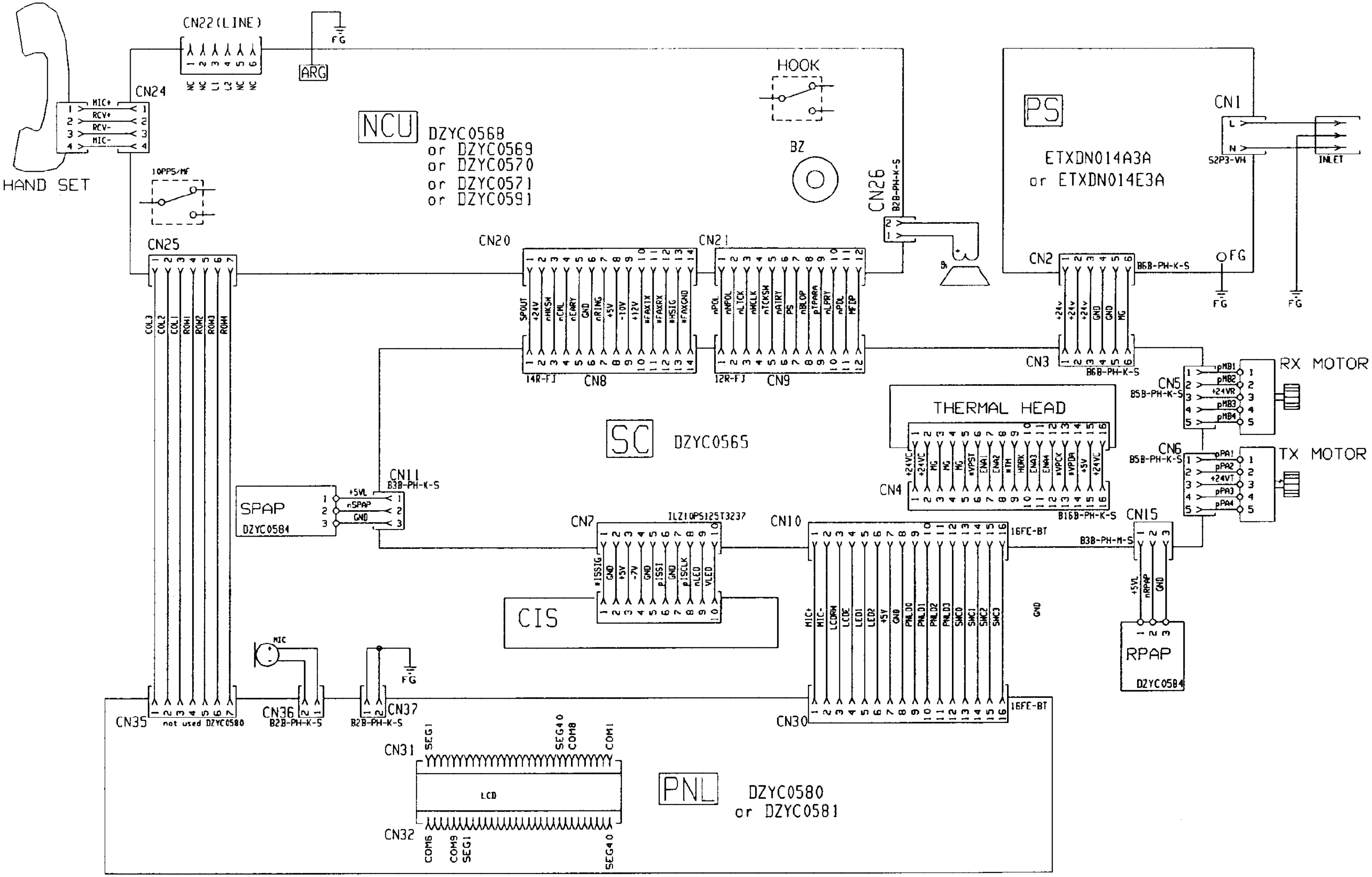
3.4.3 ROM Label


C
R3
A
_
S1
1
Version
Fixed S1
Country Code
See the table next page
Fixed
Model Name
Fixed C

Country Code Table

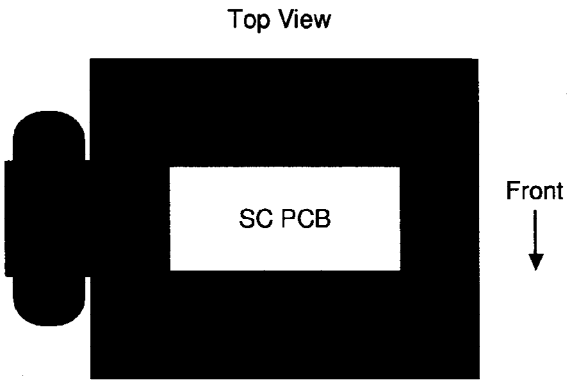
Country Code	Country	Country Code	Country
AA	Austria	EE	Italy
AB	U.K.	YA	South America
AC	Canada	YC	Others
AD	Denmark	YJ	Checo, Slovakia
AE	Taiwan	YL	Brazil (100V)
AF	Finland	YM	Malaysia
AG	Germany	YQ	Brazil (200V)
AH	Holland	YS	Saudi Arabia
AJ	Spain	YT	Thailand
AK	Hong Kong	YV	China
AL	Asutralia	YW	South Africa
AM	Switzerland	YX	Singapore
AN	Norway	YY	Central & South America
AP	Portugal		
AQ	Ireland		
AR	Belgium		
AS	Sweden		
AT	Turkey		
AV	France		
AW	New Zealand		

3.5 Schematic Diagram

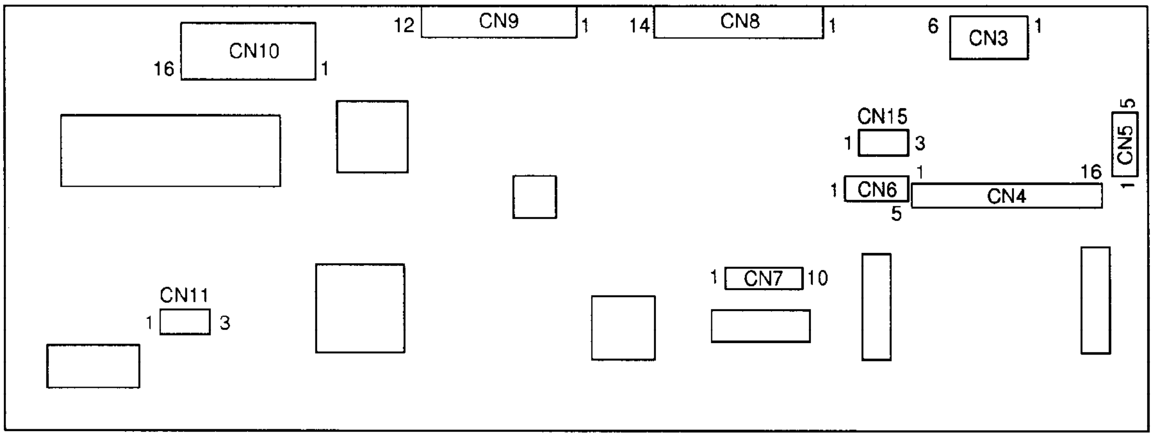

HAND SET
MIC+
RCV+
RCV-
MIC-
CN24
CN22 (LINE)
NC NC L1 L2 NC NC
FG
ARG
NCU
DZYC0568
or DZYC0569
or DZYC0570
or DZYC0571
or DZYC0591
10PPS/MF
HOOK
BZ
CN26
B2B-PH-K-S
SP
PS
ETXDN014A3A
or ETXDN014E3A
CN1
L
N
S2P3-VH
INLET
FG
CN2
B6B-PH-K-S
+24V
+24V
+24V
GND
GND
MG
CN3
B6B-PH-K-S
CN25
COL3
COL2
COL1
ROW1
ROW2
ROW3
ROW4
CN20
SPOUT
+24V
nHKSW
nCML
nCARY
GND
nRING
+5V
-10V
+12V
#FAXTX
#FAXRX
#HSIG
#FAXGND
CN21
nPOL
nNPOL
nLTCK
nMCLK
nTCKSW
nAIRY
PS
nBLOP
pTPARA
nLPRY
nPOL
MFDP
CN8
14R-FJ
CN9
12R-FJ
RX MOTOR
CN5
B5B-PH-K-S
pMB1
pMB2
+24VR
pMB3
pMB4
TX MOTOR
CN6
B5B-PH-K-S
pPA1
pPA2
+24VT
pPA3
pPA4
THERMAL HEAD
CN4
B16B-PH-K-S
+24VC
+24VC
MG
MG
MG
#VPST
ENA1
ENA2
#TH
HDRK
ENA3
ENA4
#VPCK
#VPDA
+5V
+24VC
SC
DZYC0565
SPAP
DZYC0584
CN11
B3B-PH-K-S
+5VL
nSPAP
GND
CN7
ILZ10PS125T3237
#ISSIG
GND
+5V
-7V
GND
pISSI
GND
pISCLK
nLED
VLED
CIS
CN10
16FC-BT
MIC+
MIC-
LCDRW
LCDE
LED1
LED2
+5V
GND
PNLD0
PNLD1
PNLD2
PNLD3
SWC0
SWC1
SWC2
SWC3
GND
CN15
B3B-PH-M-S
+5VL
nRPAP
GND
RPAP
DZYC0584
MIC
CN36
B2B-PH-K-S
CN37
B2B-PH-K-S
FG
CN35
not used DZYC0580
CN30
16FE-BT
CN31
SEG1
SEG40
COM8
COM1
LCD
CN32
COM8
COM9
SEG1
SEG40
PNL
DZYC0580
or DZYC0581

3.6 SC PC Board

3.6.1 SC PC Board Location


Top View
SC PCB
Front

3.6.2 Connector Location on SC PC Board


12
CN9
1
14
CN8
1
6
CN3
1
16
CN10
1
CN15
1
3
5
CN5
1
1
CN6
5
1
16
CN4
1
CN7
10
CN11
1
3

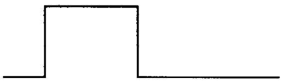
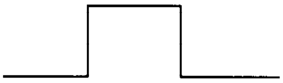
3.6.3 Pin Alignment

Note The following mark in the signal name mean;
* : analog signal.
n : digital signal (normal level is high, activated by low signal.)
p : digital signal (normal level is low, activated by high signal.)

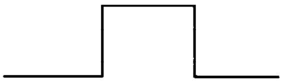
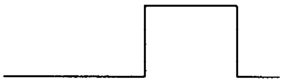
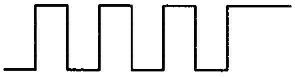
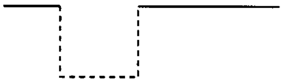
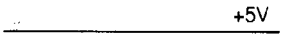
CN3

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	+24V	Power Supply Unit CN14-1	+24V	+24V DC Power Supply
2 IN	+24V	Power Supply Unit CN14-2	+24V	+24V DC Power Supply
3 IN	+24V	Power Supply Unit CN14-3	+24V	+24V DC Power Supply
4	GND	Power Supply Unit CN14-4	0V	Digital Ground
5	GND	Power Supply Unit CN14-5	0V	Digital Ground
6	MG	Power Supply Unit CN14-6	0V	Mechanical Ground

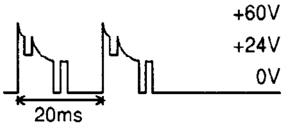
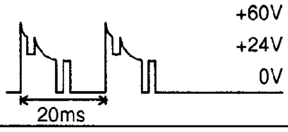
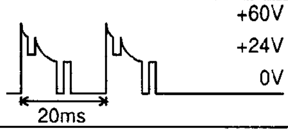
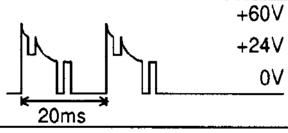
CN4 (1/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1	+24VC	Thermal Head	+24V	+24V DC Power Supply
2	+24VC	Thermal Head	+24V	+24V DC Power Supply
3	MG	Thermal Head	0V	Mechanical Ground
4	MG	Thermal Head	0V	Mechanical Ground
5	MG	Thermal Head	0V	Mechanical Ground
6	VPST	Thermal Head		
7 OUT	ENA1	Thermal Head		Enable Signal
8 OUT	ENA2	Thermal Head		Enable Signal
9 IN	TM	Thermal Head	1.1V Normal 0V Overheat	Monitoring Thermistor Threshold : Approx. 1.1V
10 IN	HD12K	Thermal Head		

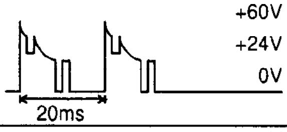
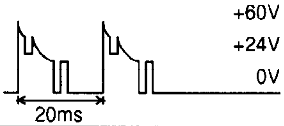
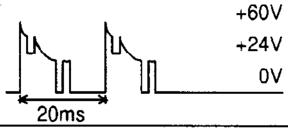
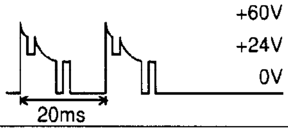
CN4 (2/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
11 OUT	ENA3	Thermal Head		Enable Signal
12 OUT	ENA4	Thermal Head		Enable Signal
13	VPCK	Thermal Head		Serial Clock
14	VPDA	Thermal Head		Serial Data
15	+5V	Thermal Head		+5V DV Power Supply
16	+24V.C	Thermal Head		+24V DC Power Supply

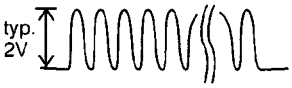
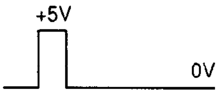
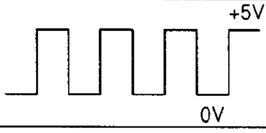
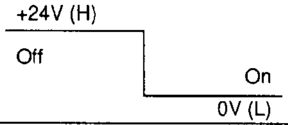
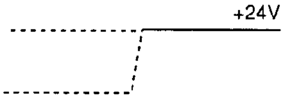
CN5

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	pMB1	Rx MOTOR		Control Pulses for the Stepping Motor
2 OUT	pMB2	Rx MOTOR		Control Pulses for the Stepping Motor
3 OUT	+24VC	Rx MOTOR	+24V	+24V DC Power Supply
4 OUT	pMB3	Rx MOTOR		Control Pulses for the Stepping Motor
5 OUT	pMB4	Rx MOTOR		Control Pulses for the Stepping Motor

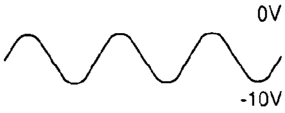
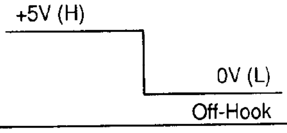
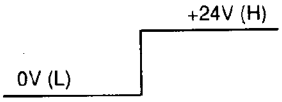
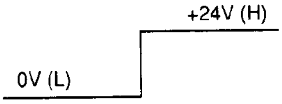
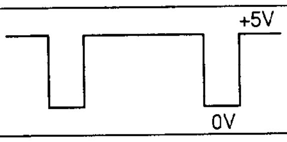
CN6

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	pMA1	Tx MOTOR		Control Pulses for the Stepping Motor
2 OUT	pMA2	Tx MOTOR		Control Pulses for the Stepping Motor
3 OUT	+24VC	Tx MOTOR	+24V	+24V DC Power Supply
4 OUT	pMA3	Tx MOTOR		Control Pulses for the Stepping Motor
5 OUT	pMA4	Tx MOTOR		Control Pulses for the Stepping Motor

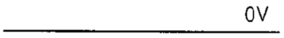
CN7

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	ISSIG	CIS		Picture Signal
2	GND	CIS	0V	Digital Ground
3	+5V	CIS	+5V	+5V DC Power Supply
4	-10V	CIS	-10V	-10V DC Power Supply
5	GND	CIS	0V	Digital Ground
6 OUT	ISSI	CIS		Start Signal
7	-10V	CIS	-10V	-10V DC Power Supply
8 OUT	ISCLK	CIS		Clock
9	LEDG	CIS		L : LED On H : LED Off
10	LED	CIS		Switching LED lamp ON

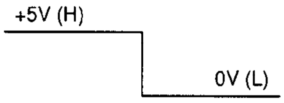
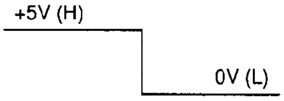
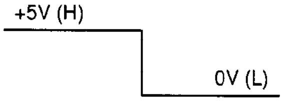
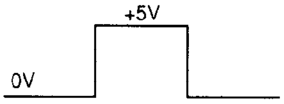
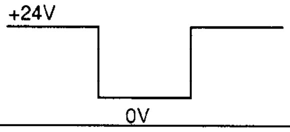
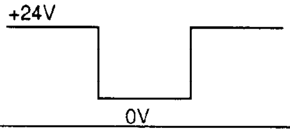
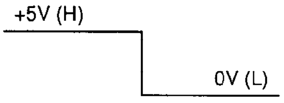
CN8 (1/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	SPOUT	NCU PC Board CN20-1		Speaker Signal
2	+24V	NCU PC Board CN20-2	+24V	+24V DC Power Supply
3 IN	HKSW	NCU PC Board CN20-3		HS Hook Status H : On-Hook L : Off-Hook
4 OUT	CML	NCU PC Board CN20-4		Control Signal for RL1 L : Relay is switched.
5 OUT	EARY	NCU PC Board CN20-5		Control Signal for RL4 L : Relay is switched.
6	GND	NCU PC Board CN20-6	0V	Digital Ground
7 IN	RING	NCU PC Board CN20-7		Ring Status of Line L : Ringing
8	+5V	NCU PC Board CN20-8	+5V	+5V DC Power Supply
9	-10V	NCU PC Board CN20-9	-10V	
10	+12V	NCU PC Board CN20-10	+12V	+12V DC Power Supply

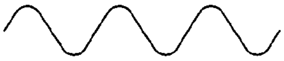
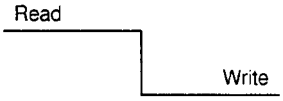
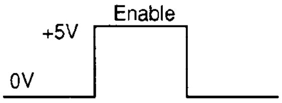
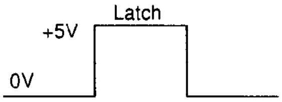
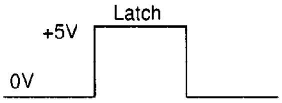
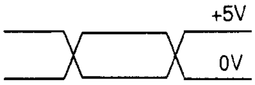
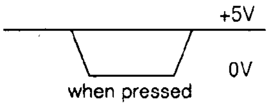
CN8 (2/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
11 OUT	FAX TX	NCU PC Board CN20-11		Fax Tx Signal Signal
12 IN	FAX RX	NCU PC Board CN20-12		Fax Rx Signal
13 IN	HSIG	NCU PC Board CN20-13		Telephone Signal and CNG
14	FAX GND	NCU PC Board CN20-14		Fax Signal Ground

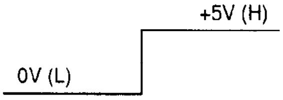
CN9

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	PPOL	NCU PC Board CN21-1		Telephone Line Current Detection
2 IN	NPOL	NCU PC Board CN21-2		Telephone Line Current Detection
3 IN	LTCK	NCU PC Board CN21-3		Not used
4 OUT	WCLK	NCU PC Board CN21-4		Not used
5 OUT	TCKSW	NCU PC Board CN21-5		Not used
6 OUT	ATRY	NCU PC Board CN21-6		Not used
7 OUT	PS	NCU PC Board CN21-7		Not used
8 IN	BLoop	NCU PC Board CN21-8		Telephone Line Current Detection
9 IN	TPARA	NCU PC Board CN21-9		Hook status for the phone in parallel (for U.S.A. and Canada only) L : On-Hook H : Off-Hook
10 OUT	LPRY	NCU PC Board CN21-10		Shaping Dialing Pulse
11 OUT	PDL	NCU PC Board CN21-11		Pulse Dialing Control Signal H : Make Loop L : Break Loop
12 IN	MFDP	NCU PC Board CN21-12		Tone / Pulse Slide Switch Position H : Tone Dialing L : Pulse Dialing

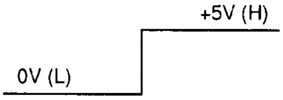
CN10

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	MIC+	PANEL PC Board CN30-1		Mic Signal
2	MIC-	PANEL PC Board CN30-2		Analog Ground
3 OUT	LCDRW	PANEL PC Board CN30-3		Panel CPU Read / Write H : Read L : Write
4 OUT	LCDE	PANEL PC Board CN30-4	 Enable +5V 0V	Panel CPU R / W Enable H : Enable
5 OUT	LED1	PANEL PC Board CN30-5		LED Data Latch Pulse 1
6 OUT	LED2	PANEL PC Board CN30-6		LED Data Latch Pulse 2
7	GND	PANEL PC Board CN30-7		Digital Ground
8	+5V	PANEL PC Board CN30-8		+5V DC Power Supply
9 ~ 12 I/O	PNLD0~3	PANEL PC Board CN30-9~12		Panel CPU and LED Data
13 ~ 16 IN	SWC0~3	PANEL PC Board CN30-13~16	 +5V 0V when pressed	Key Scan Data

CN11

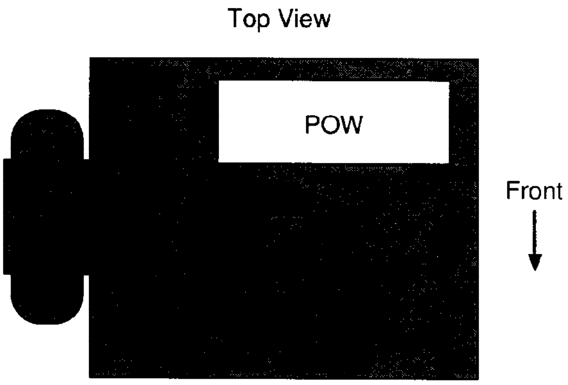
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	LEDA	Document Sensor PC Board	Approx. +5V	Approx. +5V DC Power Supply
2 IN	SPAP	Document Sensor PC Board		____________ Sensor H : Paper detected L : No paper detected
3	GND	Document Sensor PC Board	0V	Digital Ground

CN15

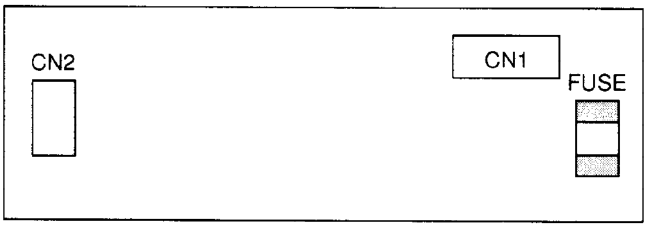
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	LEDB	Recording Paper Sensor PC Board	Approx. +5V	Approx. +5V DC Power Supply
2 IN	RPAP	Recording Paper Sensor PC Board		Recording Paper Sensor H : Paper detected L : No paper detected
3	GND	Recording Paper Sensor PC Board	0V	Digital Ground

3.7 Power Supply PC Board

3.7.1 PCB Location


Top View
POW
Front

3.7.2 Connector Location on POW PC Board


CN2
CN1
FUSE

3.7.3 Pin Alignment

CN1

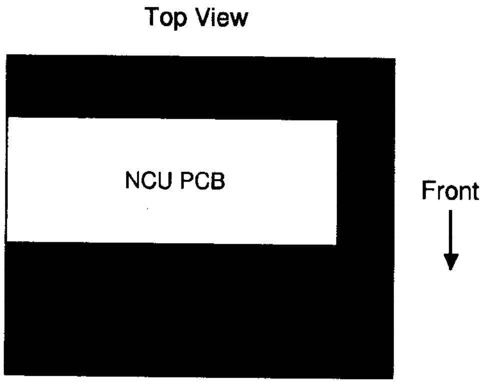
Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	AC NUTRAL	POW PC Board CN2-2		110V AC / 120V AC or 220V AC / 240V AC
2	NC			No Connection
3 IN	AC LIVE	POW PC Board CN2-1		110V AC / 120V AC or 220V AC / 240V AC

CN2

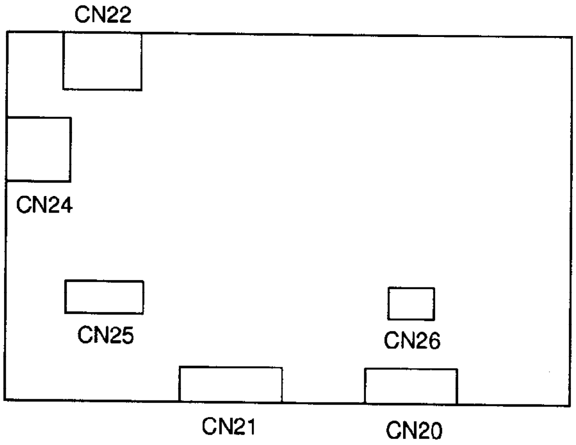
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	+24V	SC PC Board CN3-1	+24V	+24V DC Power Supply
2	+24V	SC PC Board CN3-2	+24V	+24V DC Power Supply
3	+24V	SC PC Board CN3-3	+24V	+24V DC Power Supply
4	GND	SC PC Board CN3-4	0V	Digital Ground
5	GND	SC PC Board CN3-5	0V	Digital Ground
6	MG	SC PC Board CN3-6	0V	Mechanical Ground

3.8 NCU PC Board

3.8.1 PCB Location

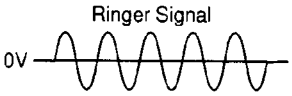

Top View
NCU PCB
Front

3.8.2 Connector Location on NCU PC Board

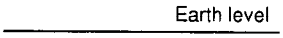

CN22
CN24
CN25
CN26
CN21
CN20

3.8.3 Pin Alignment

CN22 (for U.K., Hong Kong, New Zealand)

Pin No.	Signal Name	Destination	Signal Waveform	Function
2	L1	Telephone Line		Line Signal
3	NC			No Connection
4	Shunt	Shunt Line		Ringer Signal (Not used for Hong Kong)
5	L2	Telephone Line		Line Signal

CN22 (Other countries)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1	NC or E			No connection or Line Earth
2	NC or E		Earth level	No connection or Line Earth
3	L1	Telephone Line		Line Signal
4	L2	Telephone Line		Line Signal
5	NC			No connection
6	NC			No connection

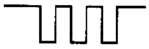
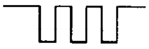
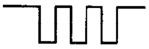
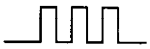
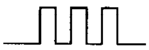
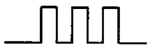
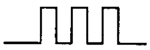
CN20

See CN8 on SC PC Board in page 3-13~14.

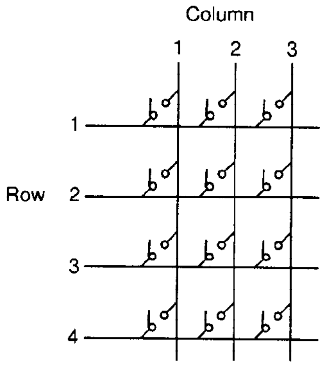
CN21

See CN11 on SC PC Board in page 3-17.

CN25

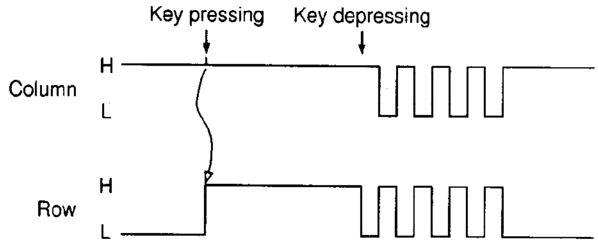
Pin No.	Signal Name	Destination	Signal Waveform		Function
			Stand by	By detecting Key pressing	
1	Column 3	Key Matrix in the Control Panel	H level 2~5V H L		Scanning Signal for Key Matrix when no power occurred
2	Column 2	Key Matrix in the Control Panel	H L		Scanning Signal for Key Matrix when no power occurred
3	Column 1	Key Matrix in the Control Panel	H L		Scanning Signal for Key Matrix when no power occurred
4	Row 1	Key Matrix in the Control Panel	L level0~1V H L		Scanning Signal for Key Matrix when no power occurred
5	Row2	Key Matrix in the Control Panel	H L		Scanning Signal for Key Matrix when no power occurred
6	Row 3	Key Matrix in the Control Panel	H L		Scanning Signal for Key Matrix when no power occurred
7	Row 4	Key Matrix in the Control Panel	H L		Scanning Signal for Key Matrix when no power occurred

Supplementation :



Key Matrix

By detecting key pressing, pulse signal is generated for both row and column. Row signal corresponding with key is kept high while it is pressed.

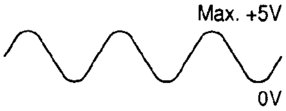
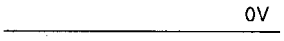


H level about 2V~5V due to power is supplied from line.

CN24

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	MIC+	Handset		Handset Mic. Signal
2 OUT	RCV+	Handset		Handset Receiver Signal
3 OUT	RCV-	Handset		Handset Receiver Signal
4 IN	MIC-	Handset		Handset Mic. Signal

CN26

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	SP	Speaker		Speaker Signal
2	GND	Speaker		Digital Signal

4.4 Information Code Table

Information Code Table (1/5)

Info. Code	Mode	Phase	Description of Problem	Cause
010	RCV COPY	-	No recording paper	No recording paper or paper is not set properly. Paper Sensor is defective.
012	RCV (POLLING)	C D	The length of received document is too long.	The maximum received document length is 2m (78.7 inches).
020	RX COPY	-	Thermal Head temperature is over 70 °C (158°F)	Thermal Head is defective. (due to abnormal Power Supply) Recording Paper jam
030	XMT	B	RP Sensor does not go On within 10 seconds after document starts feeding.	Document is not set properly. Defective SPAP Sensor or Actuator.
031	XMT COPY	C	Transmitting document was longer than 1m (39.4 inches).	Document may get jammed. Defective SPAP Sensor or Actuator .
032	XMT COPY	C	Transmitting document was shorter than 70mm (2.8 inches).	Document may get jammed. Defective RP Sensor.
400	XMT	B	T1 timer (35 ± 5 sec.) elapsed without detecting 300 bps signals.	Wrong number is dialed and START button is pressed. Telephone line is disconnected in the course of dialing. SC PCB (Modem) or NCU is defective. Receiver is defective.
401	XMT	B	DCN was returned from receiver when transmitter waits for CFR or FTT.	No available mailbox in the receiver. There is an incompatibility. (Ex.: Password Transmission)
402	XMT	B	DCN was returned from receiver when transmitter waits for NSF/DIS.	Receiver might work in non-CCITT mode only. There is incompatibility.
403	RCV (Polling)	B	Transmitter had no polling function.	"POLLED=ON" (polling XMT ready) is not set at transmitter. Document to be transmitted is not placed at transmitter.

Information Code Table (2/5)

Info. Code	Mode	Phase	Description of Problem	Cause
404	XMT	B	Transmitter sent NSS (or DCS) followed by TCF three times but receiver did not respond. (CFR or FTT is usually returned.)	Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective. Receiver disconnects line during first NSS (or DCS) transmitted.
405	XMT	B	Transmitter received FTT after it transmitted TCF at 2400bps. Received RTN after communicating at 2400bps.	Line quality is poor. (TCF is damaged due to line noise.) Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective.
406	RCV (Password Comm.)	B	XMT-Password mismatched. RCV-Password mismatched. Selective RCV incomplete.	XMT, RCV password does not match. Last 4-digit of TSI does not match with the Last 4- digit of ONE-TOUCH,Directory Telephone number.
407	XMT	D	Transmitter received no response after it transmitted post message such as EOP, MPS, EOM and so on. Or received DCN.	Receiver is defective. (No paper, paper jamming etc.) Receiver ceased receiving because of excessive error. (Line quality is poor.) SC PCB (Modem) or NCU is defective.
408	XMT	D	Transmitter received RTN after it transmitted EOP, MPS or EOM.	Receiver receives data with error. (Line quality is poor.) Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective.
409	XMT	D	Transmitter receives PIN after it transmitted a post message such as EOP, MPS, EOM etc.	Receiver receives data with error due to poor line quality, and receiving operator requests voice contact. Receiver is defective (Modem, NCU etc.). SC PCB(Modem) or NCU is defective.
411	RCV (polling)	B	Received DCN after transmitting NSC.	Transmitter is not ready for polling communication. Password does not match between transmitter and receiver.
412	RCV	B D	No response within 12 seconds in NSS/DCS/MPS wait state. (After transmitting FTT, MCF or CFR)	Transmitter is defective. SC PCB is defective.

Information Code Table (3/5)

Info. Code	Mode	Phase	Description of Problem	Cause
414	RCV (polling)	B	No response received after transmitting 3rd NSC.	Password does not match between transmitter and receiver. Transmitter is defective.(no document, document jam etc.)
415	RX (polling)	B	Remote side attempted to receive message from your machine in polling communication. "Inform remote side that your machine does not have the polling transmission feature."	There is incompatibility. Key Code does not match between transmitter and receiver.
416	RCV	D	Receiver did not detect post command such as EOP etc.	Transmitter is defective. Line quality is poor.(RTC signal is distorted due to line noise.) SC PCB (Modem) or NCU is defective.
417	RCV	D	Receiver returned RTN in response to post message.	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
418	RCV	D	Receiver transmitted PIN in response to PRI-Q from transmitter. (Transmitting operator requests voice contact.)	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
419	RCV	D	Receiver transmitted PIN in response to Post Message from transmitter. (Transmitting operator requests voice contact.)	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
420	RCV	B	T1 timer (35 sec.) elapsed without detecting 300 bps signal.	There is a wrong incoming call. (no facsimile communication.) Transmitter is defective. SC PCB (Modem) or NCU is defective.
421	RCV	B	T1 timer (35 sec.) elapsed without detecting 300 bps signal, after receiver receives EOM (End of Message).	Transmitter is defective. SC PCB (Modem) or NCU is defective. Line quality is poor.
422	XMT	B	Received invalid NSF/DIS, NSC/DIC.	Remote unit is defective. SC PCB (Modem) or NCU is defective.
428	RCV	B	Received DCN while waiting DCS.	Transmitter is defective or incompatible. Passwords mismatch.

Information Code Table (4/5)

Info. Code	Mode	Phase	Description of Problem	Cause
430	300 bps XMT	B	CS does not go ON within 30 seconds after RS is ON.	SC PCB (Modem) is defective.
431	RCV	B C	DCD does not go ON within 10 seconds after CD (Training Error) is ON.	Line quality is poor. Transmitter is defective. SC PCB (Modem) or NCU is defective.
432	XMT or Polling RCV	B	CD (response from Modem) did not turn OFF within 35 sec. in the initial routine (T1 timer period).	Line quality is poor. (Noise level is too high.) SC PCB (Modem) or NCU is defective.
433	300 bps XMT	D	Preamble was being sent more than 180 sec.	Recording at the remote unit is not finished.
434	XMT or RCV	B D	CD (response from Modem) did not turn OFF within 180 sec. after receiver detected FLAG signal.	Remote unit is defective. SC PCB (Modem) or NCU is defective.
435	RCV	C D	Timer over after sending 300 bps except EOM Reception in phase C, or time over after while waiting frame data detected high speed data.	Line quality is poor. Transmitter is defective. SC PCB (Modem) or NCU is defective.
436	RCV	B C	DCN received after transmitting FTT.	Transmitter is defective or incompatible. Line quality is poor.
446	RCV	C	DCN received while waiting Post Command.	Transmitter is defective.
447	RCV	D	Did not receive Post Command in 15 sec.	Remote unit is defective. Line quality is poor.
458	RCV	C	Did not receive CD in 10 sec.	Line quality is poor. SC PCB (Modem) or NCU is defective. Remote unit gets a document jammed.
459	RCV	C	Failed training in 10 sec.	Line quality is poor.(Training signal is distorted due to line noise.) SC PCB (Modem) or NCU is defective.
490	RCV	C	Sum of error line exceeded the limit (parameter 39) by 64 lines.	Line quality is poor. SC PCB (Modem) or NCU is defective.
492	RCV	C	Did not receive any data in Receiving Data Buffer in 10 sec.	Remote unit is defective. Line quality is poor. SC PCB (Modem) or NCU is defective.

Information Code Table (5/5)

Info. Code	Mode	Phase	Description of Problem	Cause
493	RCV	C	Did not detect the first EOL in 10 sec.	Remote unit gets a document jammed. Line quality is poor. SC PCB (Modem) or NCU is defective.
494	RCV	C	Interval between two EOLs was more than 10 sec. when receiver received message data.	Remote unit is defective. Line quality is poor. SC PCB (Modem) or NCU is defective.
495	RCV	C	Detected CD off.	Remote unit is defective. Line is disconnected. SC PCB (Modem) or NCU is defective.
630	XMT or RCV (Polling)	B	Redial count over.	Dial tone is not detected. Second dial tone is not detected. (depending on country.) Busy tone is detected. (depending on country.) T1 timer (35±5 sec.) elapsed without signal from receiver.

5.1 Test Mode Table

The following test modes are provided to help you to set various functions and test the condition of the machine.

Test Mode

No	Test Mode	Description
0	PRINT TEST PATTERN	Test Pattern Printout Printing mechanism and electrical circuit will be tested by printing a test pattern from the memory.
1	FUNCTION PARAMETER	Function Parameter Factory default values can be changed.
2	EDIT SYSTEM RAM	System RAM Edit Factory use only. When you need to change the RAM values please consult with MGCS Engineering department.
3	PRINT RAM DATA	RAM Data Printout Function Parameter list in Test Mode 1 and RAM data in Test Mode 2 will be printed.
4	CIS TEST	CIS Test Document scanning mechanism and electrical circuit will be tested by scanning a document and checking the output signal from the CIS.
5	XMT TEST TONE	Tonal Signal Generation Modem function will be tested by sending fax signals.
6	RAM INITIALIZE	RAM Initialization Reset or clear the RAM data.
7	XMT DTMF TONE	DTMF Signal Generation Modem functioning will be tested by sending DTMF signals.
8	NOT USED	
9	MEMORY TEST	To check the Memory.
10	LCD & LED	LCD and LED Test LCD and LED will be tested by lighting them.
11	ID SET	ID No. Setting ID No. can be entered by this mode. This test mode is only for the countries where service personnel is to enter the ID No.
12 ~ 13	NOT USED	
14	COPY MODE SET	Copy Mode Factory use only
15	CIS TRAINING	CIS Training This test mode must be done after CIS or SC PC Board was replaced.

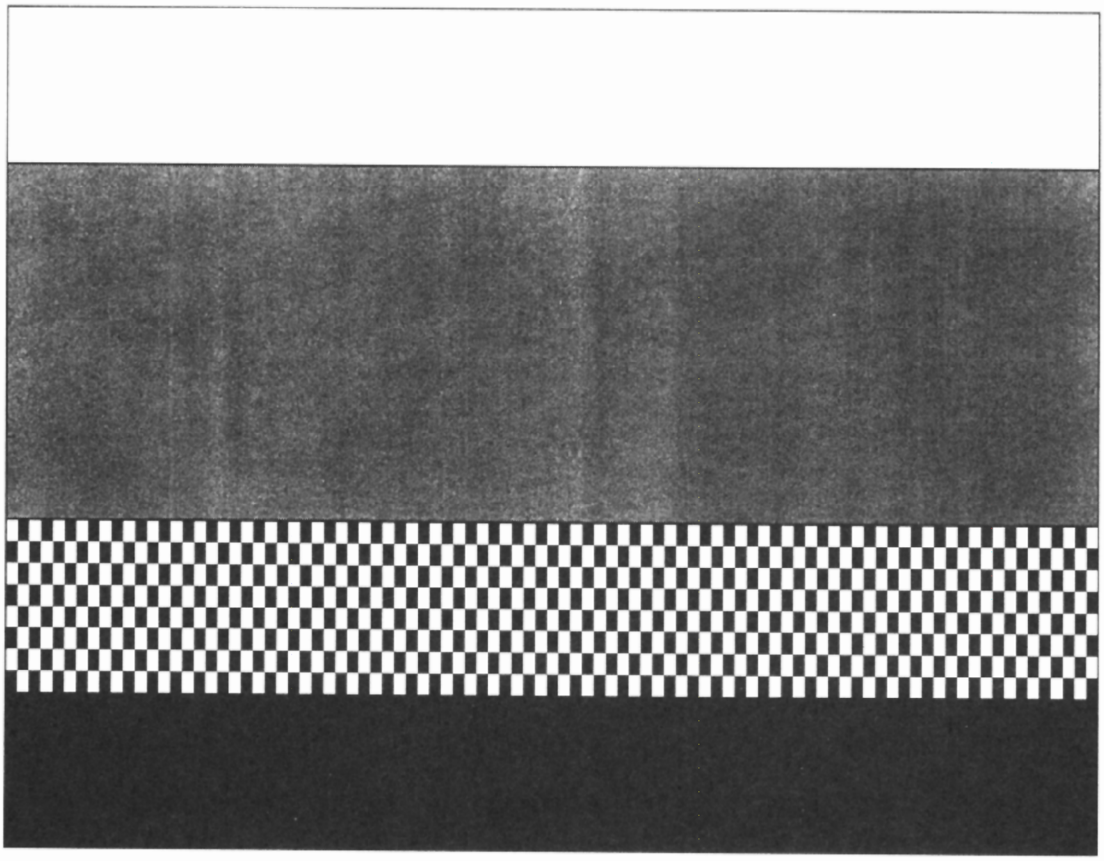
5.2 Test Mode 0 : Print a Test Pattern

A test pattern is printed by following the procedure below.

Test Mode 0 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or"**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**0**" and "**START/SET**".	`* PRINTING *`
5	After printing, the display returns to step 3 above.	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

Test Pattern



5.3 Test Mode 1: Function Parameter

Function Parameter settings are changed by following the procedure below.

Test Mode 1 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**1**", and "**START/SET**".	`PARAMETER NO.(< >)`
5	To select the parameter you want to change, enter a 2-digit code listed in the Function Parameter Table or scroll the display by pressing the "**<**" or "**>**" button . Example : Changing "**Redial Interval**" Press "**5**", "**2**", and "**START/SET**"	`REDIAL INT.:180S`
6	Pressing "**<**" or "**>**" button to select the desired setting.	`REDIAL INT.:120S`
7	Press "**START/SET**" and the new setting will be stored. Display will show the next parameter.	`REDIAL COUNT :02`
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

Note: Key function

"**START/SET**"	:The new setting value is stored in the machine.
"**>**"	: Scroll the Function Parameter No. and select the settings.
"**<**"	: Scroll the Function Parameter No. and select the settings.
"**CLEAR**"	: Back to Step 4 screen.

Function Parameter

No.	Parameter	Selections	Default Value	Description
1 ~ 2	NOT USED			
03	TX JAM CHECK	OFF ON	ON	Document length determined as a jam Off :Unlimited length On :Up to 1m
04	HEADER PRINT	IN NONE OUT	IN	Header printing position In :Inside of the original picture area None :No header Out :Outside of the original picture area
05 ~ 09	NOT USED			
10	RX JAM CHECK	OFF ON	ON	Maximum length of recording Off :Unlimited length On :Up to 2m
12 ~ 19	NOT USED			
20	TX ATT	-00 dBm -01 dBm ~ -15 dBm	-09 dbm (Note 1)	Transmission signal output level Highest :-00dBm Lowest :-15dBm
21	RX ATT	-33 dBm -38 dBm -43 dBm -48 dBm	-43 dbm (Note 2)	Receiving sensitivity Lowest :-33dBm Highest :-48dBm
22	TX START	9600 bps 7200 bps 4800 bps 2400 bps	9600 bps	Modem starting speed in transmission
23	RX START	9600 bps 7200 bps 4800 bps 2400 bps	9600 bps	Modem starting speed in reception
24	G3 RX EQL	0 dB 4 dB 8 dB 12 dB	4 dB	Cable equalizer in G3 reception mode

Note 1 : May vary depending on country

Note 2 : Germany is -48 dBm.

Function Parameter

No.	Parameter	Selections	Default Value	Description
25	G3 TX EQL	0 dB 4 dB 8 dB 12 dB	8 dB	Cable equalizer in G3 transmission mode
26	CED & 300	75 ms 500 ms 1000 ms	75 ms	Pause time between CED and NSF/CSI/DIS signal
27	COMM. STRT	Ist DIS 2nd DIS	1st DIS	Communication start up condition 1st DIS :Starting up with the first reception of the NSF and DIS. 2nd DIS :Starting up with the second reception of the NSF and DIS.
28	EP TONE	OFF NSTD-C NSTD-B & C ALL-C ALL-B & C	OFF	Echo protect tone on V.29 mode
29	TCF	100ms+1s 100ms+1.2s 200ms+1s 200ms+1.2s	200ms+1.2s	The TCF signal discard and checking time
30	NON-STANDARD	OFF ON	ON	NSF and NSS signal transmission Off :G3 standard mode On :G3 non-standard mode
31	CSI TX	OFF ON	ON	CSI signal transmission Off :Not transmitted On :Transmitted
32	TSI/CIG TX	OFF ON	ON	TSI and CIG signal transmission Off :Not transmitted On :Transmitted
34	S-PROTOCOL	OFF (B)	(B)	Short Protocol B Off :Not used (B) :Used
35	MWS	Off TYPE 1 TYPE 1 & 2	Type 1 & 2	Matsushita White Skip function Off :Not selected Type 1 :MWS Type 1 is selected. Type 1& 2 :MWS Type 1 & 2 are selected.
38	SELECT RCV	OFF ON	OFF	Selective Reception mode Compare the last 4 digits of the calling station's ID with the last 4 digits of each speed dialing station. Off :Not check On :Check

Fanction Parameter

No.	Parameter	Selections	Default Value	Description
39	ERR LINE CNT	32 lines 64 lines 96 lines 128 lines 160 lines 192 lines 244 lines 255 lines	64 lines	Error Line Counter When the machine detects the error lines equal to or more than the line number set, the machine will disconnect the line.
40	ERR LINE %	5 % 10 % 15 % 20 %	10 % (Note 1)	Error Line percentage When the machine detects the error lines equal to or more than the percentage set, the machine will disconnect the line.
41	ERR DETECT	CNT %	CNT (Note 2)	Error detection method CNT :Determined by the Error Line Counter. % :Determined by the Error Line percentage.
42	NOT USED			
43	DC LOOP	OFF ON	OFF	Checking DC Loop Off :Check DC Loop On :Not check
44	MONITOR	OFF ON	OFF	Monitoring the communication protocol through the speaker Off :Not selected On :Protocol will be heard through the speaker.
46	L.P.A TIME	0S 1S ~ 15S	5S	Period to generate alarm for the last page
47 ~ 48	NOT USED			
49	FLASH TIME	80 ms 100 ms ~ 500 ms	80 ms (Note 3)	Period of Flash on the line when Flash key is pressed.
50	BREAK RATIO	0% 1% ~ 98%	56%	Dial Pulse Break Ratio The number entered will be the Break Ratio.

Note 1 : The Netherlands is 5 %.

Note 2 : Germany and the Netherlands is %.

Note 3 : May vary depending on country.

Function Parameter

No.	Parameter	Selections	Default Value	Description
51	FLASH KEY	FLASH	FLASH	Flash and Earth key function Flash :Flash key function is selected. Earth :Earth key function is selected.
		EARTH		
52	REDIAL INT.	30 s	180 sec.	Automatic Redial interval The machine will redial automatically with the interval set if the called station is busy.
		60 s		
		120 s		
		180 s		
53	REDIAL COUNT	0	5 times (Note 1)	Automatic Redial number Automatic Redial will be tried by the number set up to 98 times.
		1 time		
		~		
		98 times		
55	BUSY TONE CK	OFF	ON (Note 1)	Busy Tone detection Off :Not check On :Check
		ON		
56	DIAL TONE CK	OFF	ON (Note 2)	Dial Tone detection Off :Not check On :Check
		ON		
57	PBX. DT. CK	OFF	OFF (Note 2)	PBX Dial Tone detection Off :Not check On :Check
		ON		
58	VOICE SNS	-33 dBm	-43dBm (Note 3)	Receiving sensitivity for voice
		-38 dBm		
		-43 dBm		
		-48 dBm		
60	RMT RX TMG	50 ms	50 ms	Monitoring duration of DTMF in Remote Reception Monitoring duration of DTMF generated by an external telephone in Remote Reception.
		80 ms		
		110 ms		
		140 ms		
		170 ms		
		200 ms		
61	RMT RX DIGIT	2	2	No. of digit for Remote Reception Code 2 :2 digits 4 :4 digits
		4		
62	RMT RX CODE	00 ~ 99, **, ##	**	Remote Reception Code Preset Remote Reception Code.

Note 1 : May vary depending on country

Note 2 : No function depending on country

Note 3 : Germany is -48 dBm.

Function Parameter

No.	Parameter	Selections	Default Value	Description
63	DTMF DETECT	OFF	ON	DTMF detection in Remote Reception Detect DTMF generated by the external telephone set while the calling and called parties are talking over the telephone. Off :DTMF will be ignored. On :DTMF will be detected.
		ON		
64	RMT CONTROL	OFF	ON	Remote Control for built-in TAM and External TAM Off :Invalid Remote Control On :Remote Control for the built-in TAM
		ON		
65	SILENT TIME	00 sec.	6 sec.	Monitoring duration of the incoming voice. If External TAM mode is selected and no incoming voice is detected during the period set, the machine will start Fax reception process. Select the desired duration according to the External TAM specifications.
		01 sec.		
		~		
		15 sec.		
67	VOICE TX	-0 dBm	-6 dBm	OGM output level
		-1 dBm		
		~		
		-15 dBm		
68 ~ 69	NOT USED			
71	REMOTE DIAG	OFF	ON	Remote Diagnostic Mode Off :Not accept the diagnosis On :Allow the center station to diagnose
		ON		
72	DIAG CODE			Remote Diagnostic Password Enter 4 digit password
73 ~ 80	NOT USED			

Note : The default setting of parameters may vary depending on the country's specifications or regulations. Print the Function Parameter List to confirm the default settings. (See Test Mode 3 : RAM Data Printout.)

5.4 Test Mode 2 : System RAM Edit

RAM data can be changed by following the procedure below. However, please do not change any data in this Test Mode 2 unless you are informed the correct meaning of each RAM data.

Test Mode 2 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**2**" and "**START/SET**".	#000 [ ] =
5	Enter the RAM address you want to change.	
6	Enter the new RAM data and press "**START/SET**".	
7	Repeat the step 5 to 6 if you want to change any other RAM data.	
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.5 Test Mode 3 : RAM Data Printout

Function Parameter List and the settings in Test Mode 1 and RAM data in Test Mode 2 can be printed by following the procedure below.

Test Mode 3 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**3**" and "**START/SET**".	`* PRINTING *`
5	After printing, the display returns to step 3 above.	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

5.6 Test Mode 4 : CIS Test

Document scanning will be started by following procedure below.

Test Mode 4 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "**0**" "**4**" and "**START/SET**" to light up LED Array. Set document on the Document Guide and press "**START**". The machine will start scanning the document.	`CIS TEST`
5	Press "**STOP**" to stop the feeding of the document. The machine is still scanning the document. Check the output signal sent from CIS.	`CIS TEST`
6	Press "**START/SET**" to restart feeding the document.	`CIS TEST`
7	Repeat step 4 to 6 to check the signal if necessary.	`CIS TEST`
8	Press "**STOP**" twice and the display will return to standby.	`12-JUL 15:00`

5.7 Test Mode 5 :Tonal Signal Generation

The following signals listed in the Tonal signal table can be send from the machine by following the procedure below.

Test Mode 5 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "0" "5" and then press "**START/SET**".	`TONE = 9600 bps OFF`
5	Enter the signal No you want to generate. (see Tonal signal table below.) Example : **V27ter 4800bps** Enter "**3**", or scroll the display by pressing "<" or ">".	`TONE = 4800 bps OFF`
6	Press "**START/SET**" and the signal will be sent out.	`TONE = 4800 bps ON`
7	Press "**STOP**" to end the signal generation. To select another signal, repeat step 5.	`TONE = 4800 bps OFF`
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

Tonal Signal Table

Key Button	Signals	Display
1	V29 9600bps Data (mark : 1)	`TONE = 9600 bps OFF`
2	V29 7200bps Data (mark : 1)	`TONE = 7200 bps OFF`
3	V27ter 4800 bps Data (mark : 1)	`TONE = 4800 bps OFF`
4	V27ter 2400bps Data (mark : 1)	`TONE = 2400 bps OFF`
5	300bps Flag pattern	`TONE = 300 bps OFF`
6	1100Hz	`TONE = 1100 Hz OFF`
7	1300Hz	`TONE = 1300 Hz OFF`
8	1400Hz	`TONE = 1400 Hz OFF`
9	1650Hz	`TONE = 1650 Hz OFF`
0	2100Hz	`TONE = 2100 Hz OFF`
*	1850Hz	`TONE = 1850 Hz OFF`
#	LINE	`TONE = LINE OFF`

5.8 Test Mode 6 : RAM Initialization

RAM data is initialized or cleared by following the procedure below.

Test Mode 6 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "0" "6" and then press "**START/SET**".	`RAM INITIALIZE`
5	Press the dial number (2-digits) to select the initialize mode. (See below)	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

RAM Initialization

Key Button	Description
*	Parameter initialize. RAM settings in Test Mode 1 and Test Mode 2 will be initialized to the default settings.
1, 0	Logo and ID settings will be cleared.
1, 3	One-Touch and Directory Nos. will be cleared.
1, 4	Passwords, Message Transfer Station Nos, Diagnostic Codes will be cleared.
9, 9	Shipment set Delete and initialize all RAM data. (See Note 1)

Note 1: This operation should be performed when the machine is installed.

5.9 Test Mode 7 : DTMF Signal Generation

DTMF (Dual Tone Multi-Frequency) signal is generated by following the procedure below.

Test Mode 7 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	12-JUL 15:00
2	Press "**<**" or "**>**".	FUNCTION MODE?
3	Press "**#**", "**★**", "**#**", and "**#**".	TEST MODE(< >)
4	Press "**0**" "**7**" and "**START/SET**".	[0] 941 & 1336 OFF
5	Press a key button to select the DTMF signal. (See below) Example : 770 & 1209 Hz Press "**4**".	[4] 770 & 1209 OFF
6	Press "**START/SET**", then the DTMF signal is sent.	[4] 770 & 1209 ON
7	Press "**STOP**" and the DTMF signal will be stopped.	
8	To test other signals, repeat step 5 to 7.	
9	Press "**STOP**" twice and the display will return to standby.	12-JUL 15:00

DTMF Signal

Key Button	DTMF	Display
1	697 & 1209 Hz	[1] 697 & 1209 OFF
2	697 & 1336 Hz	[2] 697 & 1336 OFF
3	697 & 1477 Hz	[3] 697 & 1477 OFF
4	770 & 1209 Hz	[4] 770 & 1209 OFF
5	770 & 1336 Hz	[5] 770 & 1336 OFF
6	770 & 1477 Hz	[6] 770 & 1477 OFF
7	852 & 1209 Hz	[7] 852 & 1209 OFF
8	852 & 1336 Hz	[8] 852 & 1336 OFF
9	852 & 1477 Hz	[9] 852 & 1477 OFF
0	941 & 1336 Hz	[0] 941 & 1336 OFF
★	941 & 1209 Hz	[*] 941 & 1209 OFF
#	941 & 1477 Hz	[#] 941 & 1477 OFF

5.10 Test Mode 9 : Memory Test

This test mode is used to check RAM by writing and redialing.

Test Mode 9 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "0" "9" and "START/SET".	`MEMORY TEST`
5a	"**PASS**" displays when the writing and redialing of RAM data is finished.	`PASS`
5b	If any data error exsists, the display shows the segment and data.	`[182000] 55-00` Read Data Write Data Address
6	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.11 Test Mode 10 : LCD and LED Test

LCD and LED are lit by following the procedure below.

Test Mode 10 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**0**", and "**START/SET**".	`LCD & LED TEST`
5	Press "**START/SET**" and all digits on LCD and LEDs will be lit.	■■■■■■■■■■■■■■■■
6	Press "**START/SET**" to turn off LCD and LEDs	
7	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.12 Test Mode 11 : ID No Setting

This test mode is only for the countries where service personnel is to enter the ID number. If the operation of entering the ID number is not listed in the User's Guide attached, follow the procedure below to enter the ID number.

Test Mode 11 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**1**", and "**START/SET**".	`TEL:■`
5	Enter the telephone number. (Max. 20 digits)	`TEL:1234567■`
6	Press "**START/SET**".	`TEST MODE(< >)`
7	Press "**STOP**" to return to standby.	`12-JUL 15:00`

5.13 Test Mode 15 : CIS Training

In case of CIS, it is required to measure and store AGC data of shading and halftone into flash memory by this Test Mode due to no white level for scanning.

Test Mode 15 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**5**" and "**START/SET**".	`CIS TRAINING?`
5	Set blank document with white background.	`CIS TRAINING?`
6	Press "**START/SET**". The machine starts scanning the document.	`CIS TRAINING`
7	Press "**STOP**" to return to standby.	`12-JUL 15:00`

Note : This Test Mode 15 have to operate when CIS or SC PC Board has been replaced or F-ROM of SC PC Board has been initialized.

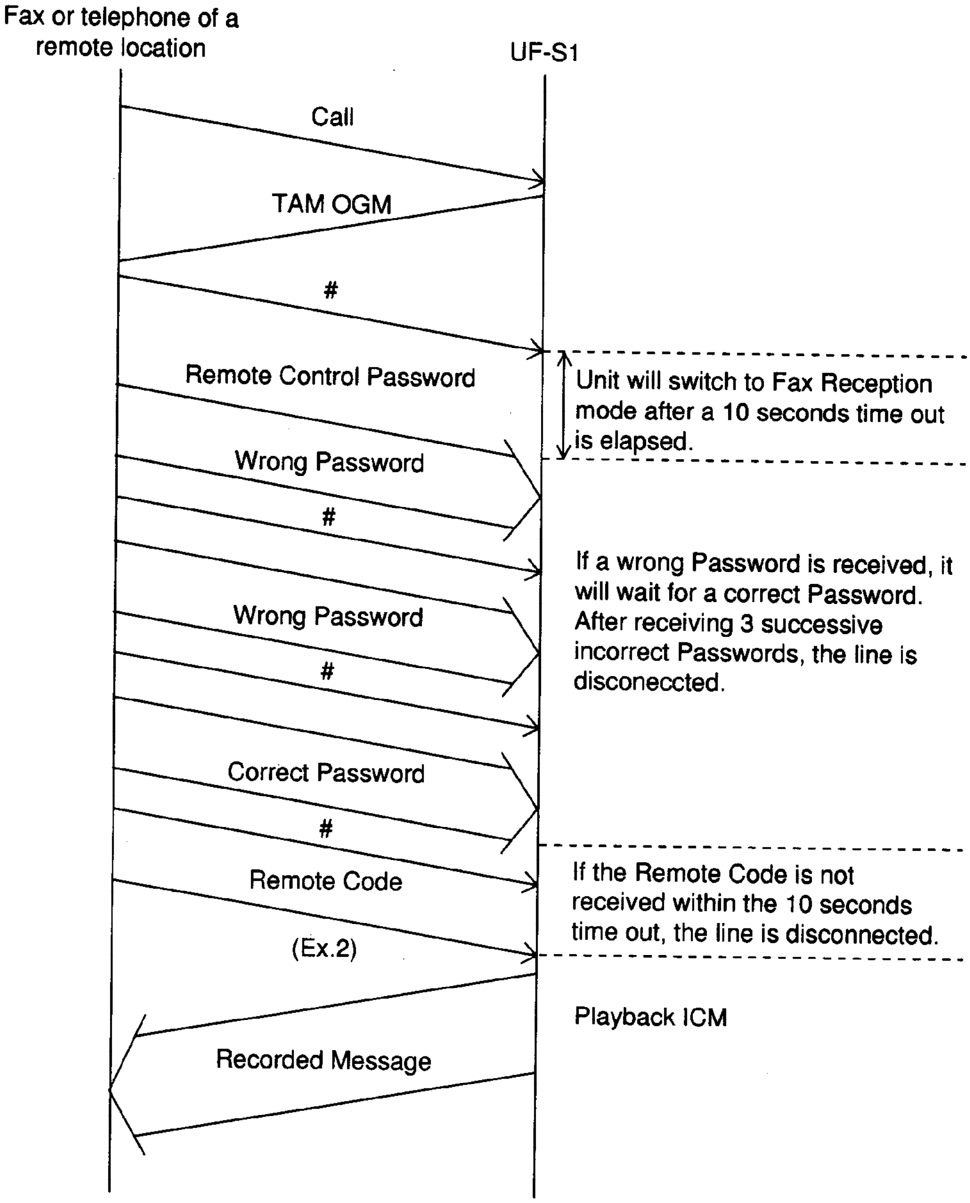
6.13 Remote Control Feature

(1)

This function permits the retrieval of recorded messages or fax documents by sending remote commands from the remote location to the UF-S1.
Note that this function will only work with touch tone dialing from either a fax machine or a telephone.

The procedure for the Remote Control feature is illustrated below and the Remote Control Codes are indicated on the next page.

(2) Basic Procedure


Fax or telephone of a remote location
UF-S1
Call
TAM OGM
#
Remote Control Password
Wrong Password
#
Wrong Password
#
Correct Password
#
Remote Code
(Ex.2)
Recorded Message

Unit will switch to Fax Reception mode after a 10 seconds time out is elapsed.

If a wrong Password is received, it will wait for a correct Password. After receiving 3 successive incorrect Passwords, the line is disconeccted.

If the Remote Code is not received within the 10 seconds time out, the line is disconnected.

Playback ICM

(3) Remote Control Code Table

Function Name	Command Code	Sub. Code	Function
Skip Message (I<<)	1	-	Skip to the beginning of the previous message.
Playback Message	2 #	-	Plays back from the first message.
Skip Message (>>I)	3	-	Skips to the beginning of the next message.
Erase Greeting Messages	41#	-	Erases the Greeting messages.
Record Greeting Message	42 #	-	Records a personal greeting message.
Erase All Messages	6#	-	Erases all the recorded messages.
OUT Mode	0 #	-	Switches to the OUT mode.
IN Mode	* #	-	Switches to the IN mode.

Chapter 7
Exploded View & Parts List

Country Code	Country
AA	Austria
AB	U.K.
AC	Canada
AD	Denmark
AE	Taiwan
AF	Finland
AG	Germany
AH	Holland
EE	Italy
AJ	Spain
AK	Hong Kong
AL	Australia
AM	Switzerland
AN	Norway
AP	Portugal
AQ	Ireland
AR	Belgium

Country Code	Country
AS	Sweden
AT	Turkey
AV	France
AW	New Zealand
YA	Central &South America (200V)
YC	Others (200V)
YJ	Checo, Slovakia
YL	Brazil (100V)
YM	Malaysia
YQ	Brazil (200V)
YS	Saudi Arabia
YT	Thailand
YV	China
YW	South Affica
YX	Singapore
YY	Central & South America (100V)

All parts for this product are supplied from Singapore factory.

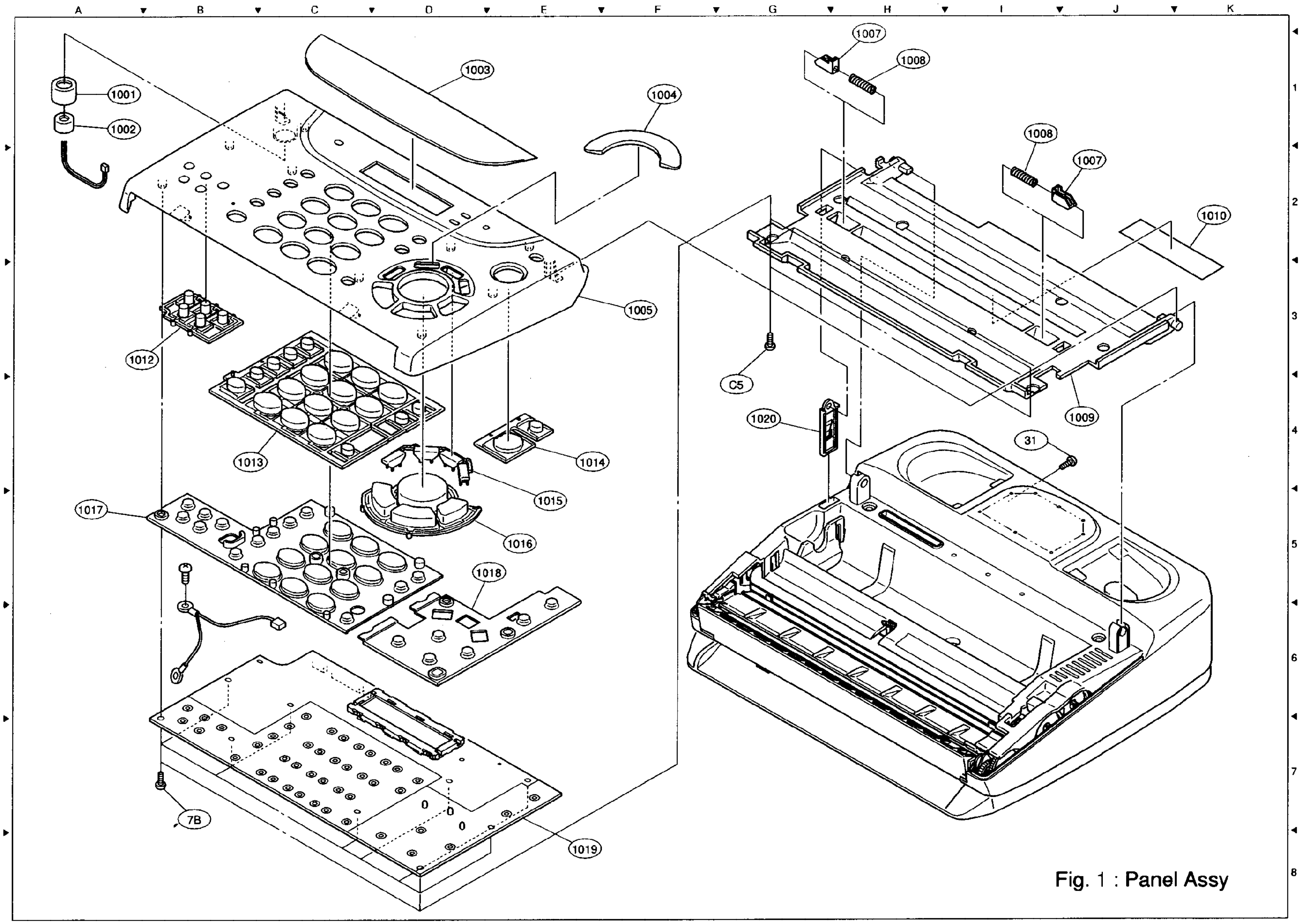

A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
6
7
8
1001
1002
1003
1004
1005
1007
1008
1008
1007
1010
1012
C5
1009
1013
1014
1020
31
1015
1017
1016
1018
7B
1019

Fig. 1 : Panel Assy

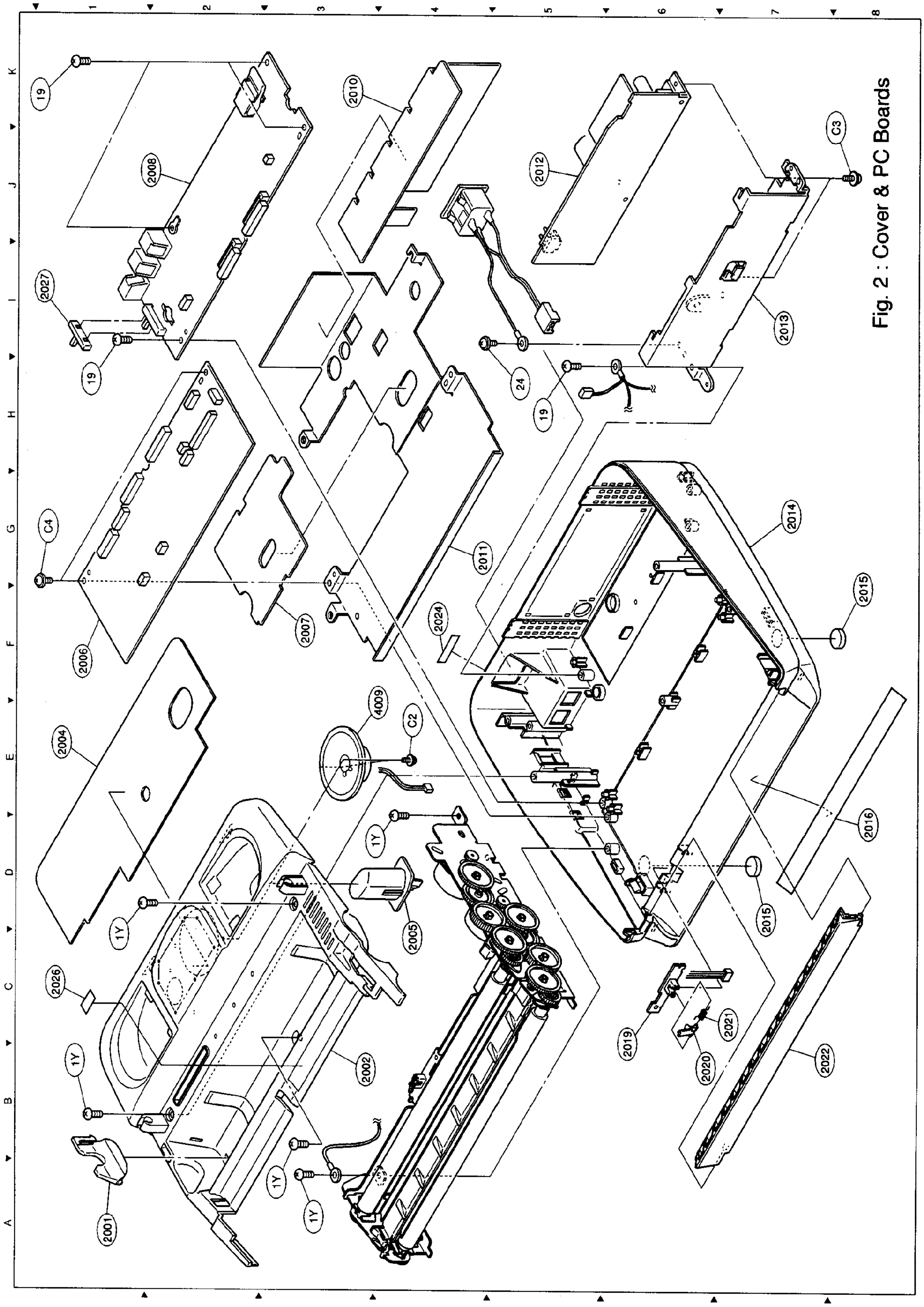
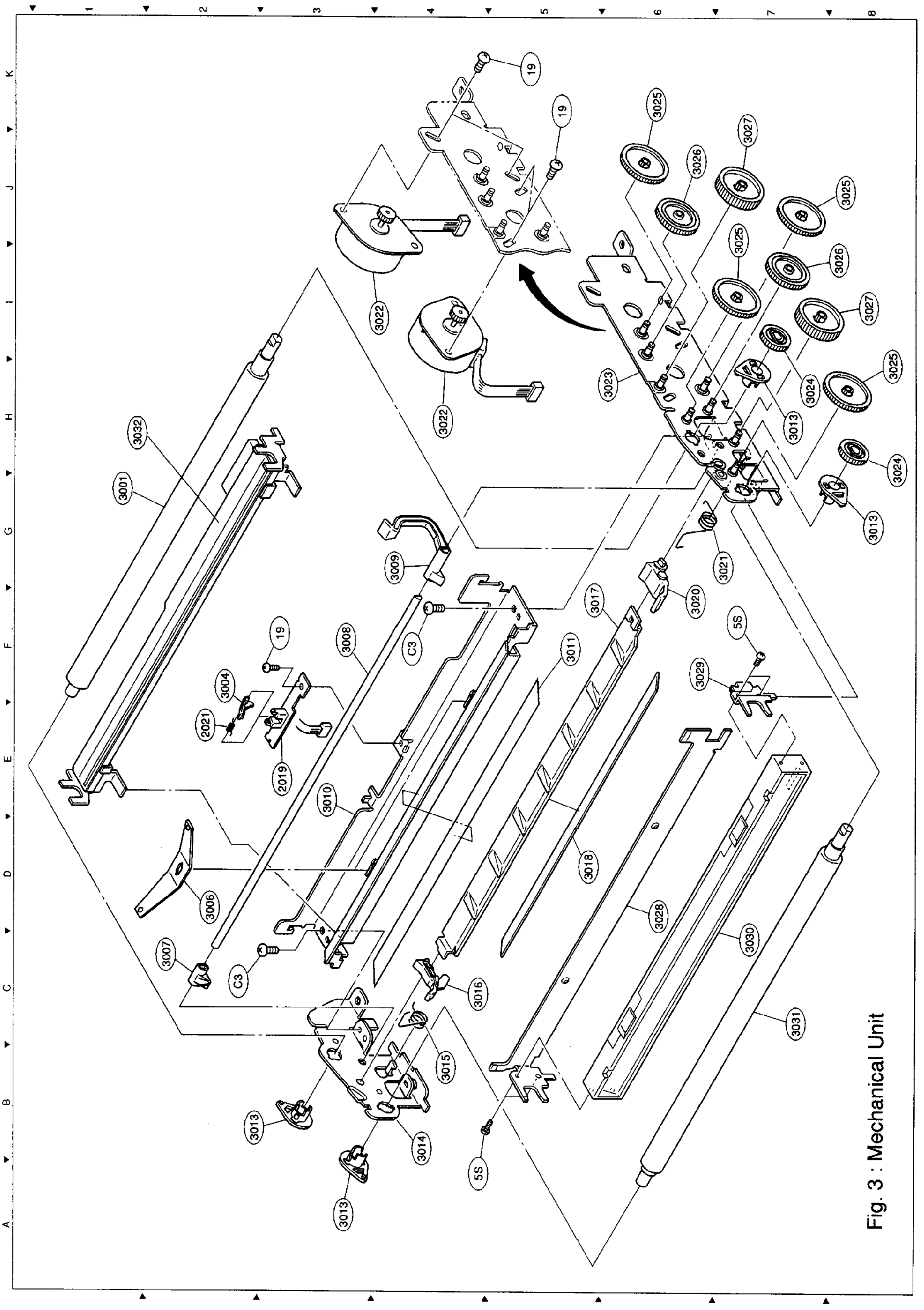

A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
6
7
8
19
2008
2027
19
2010
2012
C3
2013
24
19
2006
C4
2007
2011
2014
2015
2024
2004
4009
C2
1Y
2005
2016
2015
2026
2002
1Y
2001
1Y
1Y
1Y
2019
2021
2020
2022

Fig. 2 : Cover & PC Boards


1
2
3
4
5
6
7
8
A
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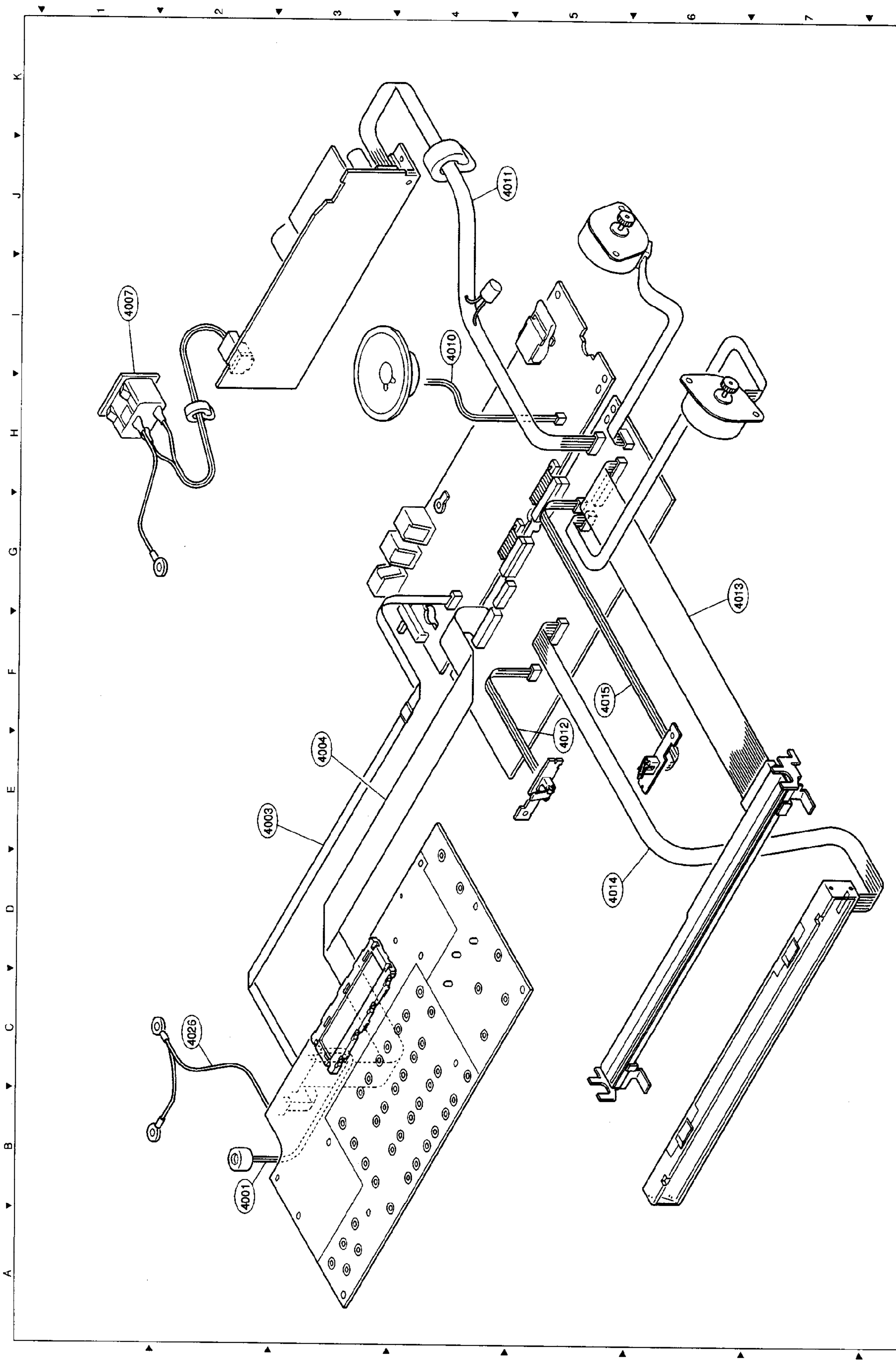
D
E
F
G
H
I
J
K
19
19
19
3025
3026
3027
3025
3025
3026
3027
3025
3024
3024
3013
3013
3013
3013
3022
3022
3023
3032
3001
3009
3008
3004
2021
2019
3010
3006
3007
C3
C3
3011
3017
3020
3021
3018
3016
3015
3014
3028
3029
5S
5S
3030
3031

Fig. 3 : Mechanical Unit


A
B
C
D
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F
G
H
I
J
K

Fig. 4 : Cables

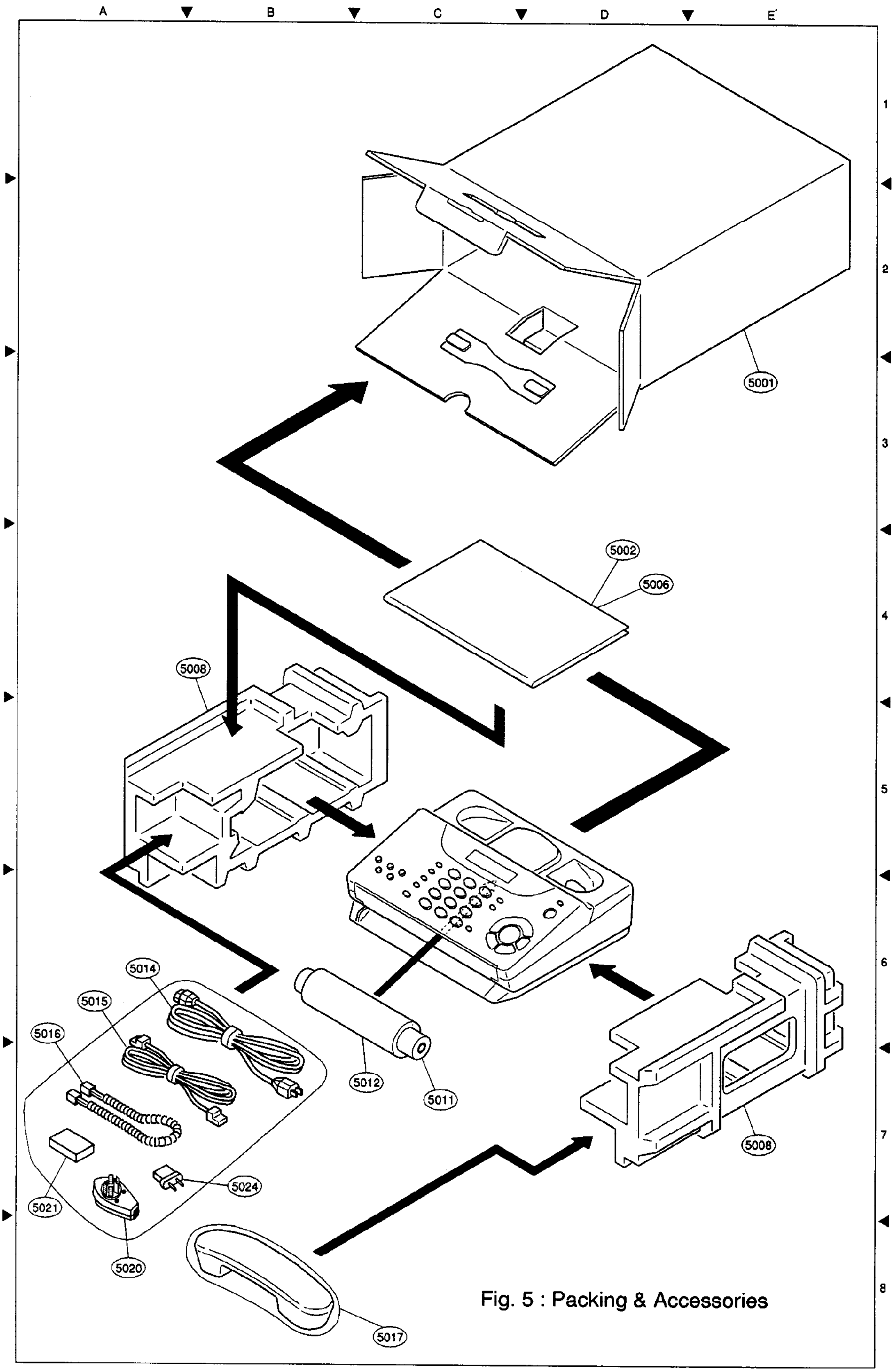

A
B
C
D
E
1
2
3
4
5
6
7
8
5001
5002
5006
5008
5014
5015
5016
5012
5011
5008
5021
5024
5020
5017

Fig. 5 : Packing & Accessories

7.1 Panel Assy (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
1001	DZJC000091	MIC HOLDER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1002	DZDS000003	MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1003	DZNA000162	LCD WINDOW		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	1D
1003	DZNA000170	LCD WINDOW		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000171	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000172	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1D
1003	DZNA000173	LCD WINDOW		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1D
1004	DZNA000166	LED WINDOW		-	1	1	1	1	1	-	1	1	-	1	1	1	1	-	1	1	1D
1004	DZNA000178	LED WINDOW		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
1004	DZNA000179	LED WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
1004	DZNA000180	LED WINDOW		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
1004	DZNA000181	LED WINDOW		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
1005	DZMA000131	COVER,PANEL		-	-	-	1	1	1	-	1	-	-	1	1	1	1	-	1	1	1F
1005	DZMA000164	COVER,PANEL		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000165	COVER,PANEL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3F
1005	DZMA000166	COVER,PANEL		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3F
1005	DZMA000167	COVER,PANEL		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3F
1005	DZMA000170	COVER,PANEL		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000176	COVER,PANEL		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1007	DZMG000014	LATCH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
1008	DZKN000075	SPRING, COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 2J
1009	DZJA000161	CHASSIS,UPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1I
1010	DZNK000217	LABEL,PAPER SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
1012	DZKB000091	BUTTON C		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2K
1013	DZKB000089	BUTTON B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
1014	DZKB000094	BUTTON D		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	4C
1014	DZKB000114	BUTTON D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4E
1014	DZKB000115	BUTTON D		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4E
1014	DZKB000116	BUTTON D		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4E
1015	DZTE000010	LED LENS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
1016	DZKB000086	BUTTON A		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	5E
1016	DZKB000105	BUTTON A		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	5E
1016	DZKB000106	BUTTON A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	5E
1016	DZKB000107	BUTTON A		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	5E
1016	DZKB000108	BUTTON A		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5E
1017	DZKM000005	SHEET,CLICK B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5A
1018	DZKM000004	SHEET,CLICK A		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1019	DZYC0580	PC BOARD W/COMPONENT,PNL	x	1	-	1	1	1	1	1	1	-	1	1	1	1	1	-	1	1	8E
1019	DZYC0581	PC BOARD W/COMPONENT,PNL	x	-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	8E
1020	DZJM000087	S STOPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
C5	XTB26+10J	SCREW		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4G
31	XSB4+10BN	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
7B	XTB26+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B

Panel Assy (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
1001	DZJC000091	MIC HOLDER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1002	DZDS000003	MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1003	DZNA000162	LCD WINDOW		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	1D
1003	DZNA000171	LCD WINDOW		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1D
1003	DZNA000174	LCD WINDOW		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000175	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1D
1004	DZNA000166	LED WINDOW		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	1F
1004	DZNA000179	LED WINDOW		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1F
1004	DZNA000182	LED WINDOW		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
1004	DZNA000183	LED WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
1005	DZMA000131	COVER,PANEL		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	3F
1005	DZMA000165	COVER,PANEL		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	3F
1005	DZMA000168	COVER,PANEL		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000169	COVER,PANEL		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3F
1007	DZMG000014	LATCH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 2J
1008	DZKN000075	SPRING, COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1I
1009	DZJA000161	CHASSIS,UPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
1010	DZNK000217	LABEL,PAPER SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2K
1012	DZKB000091	BUTTON C		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
1013	DZKB000089	BUTTON B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
1014	DZKB000094	BUTTON D		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	4E
1014	DZKB000114	BUTTON D		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	4E
1014	DZKB000117	BUTTON D		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4E
1014	DZKB000118	BUTTON D		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4E
1015	DZTE000010	LED LENS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1016	DZKB000086	BUTTON A		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	5E
1016	DZKB000106	BUTTON A		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	5E
1016	DZKB000109	BUTTON A		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5E
1016	DZKB000110	BUTTON A		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5E
1017	DZKM000005	SHEET,CLICK B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5A
1018	DZKM000004	SHEET,CLICK A		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1019	DZYC0580	PC BOARD W/COMPONENT,PNL	x	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	8E
1019	DZYC0581	PC BOARD W/COMPONENT,PNL	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	8E
1020	DZJM000087	S STOPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
31	XSB4+10BN	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
7B	XTB26+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B

7.2 Cover & PC Boards (1/4)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
2001	DZME000009	SEPERATOR		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
2002	DZMA000128	COVER,CRADLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
2004	DZHD000003	AL SHEET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1E
2005	DZKB000083	BUTTON,HOOK		1	-	1	1	1	1	1	1	-	1	1	1	1	1	-	1	1	4D
2005	DZKB000125	BUTTON,HOOK		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	4D
2006	DZYC0565AA	PC BOARD W/COMPONENT,SC	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AB	PC BOARD W/COMPONENT,SC	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AC	PC BOARD W/COMPONENT,SC	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AD	PC BOARD W/COMPONENT,SC	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AE	PC BOARD W/COMPONENT,SC	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AF	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AG	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AH	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565EE	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AJ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
2006	DZYC0565AK	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1F
2006	DZYC0565AL	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1F
2006	DZYC0565AM	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1F
2006	DZYC0565AN	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
2006	DZYC0565AP	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
2006	DZYC0565AQ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1F
2006	DZYC0565RAR	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1F
2007	DZHA000054	SHEET,EMI2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
2008	DZYC0568E	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568F	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568J	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2J
2008	DZYC0568L	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2J
2008	DZYC0568N	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2J
2008	DZYC0568Q	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2J
2008	DZYC0568R	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2J
2008	DZYC0568U	PC BOARD W/COMPONENT,NCU	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568H	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0591B	PC BOARD W/COMPONENT,NCU	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0591EE	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2J
2008	DZYC0569K	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2J
2008	DZYC0591P	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2J
2008	DZYC0570A	PC BOARD W/COMPONENT,NCU	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570D	PC BOARD W/COMPONENT,NCU	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570G	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570M	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2J
2010	DZJE000072	POW CAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3K
2011	DZJA000162	CHASSIS,EMI		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
2012	ETXDN014A3A	POWER SUPPLY UNIT 100V		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	5J
2012	ETXDN014E3A	POWER SUPPLY UNIT 200V		1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	5J
2013	DZJA000159	CHASSIS,POWER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7I

Cover & PC Boards (2/4)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
2001	DZME000009	SEPERATOR		1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	-	1A
2002	DZMA000128	COVER,CRADLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
2004	DZHD000003	AL SHEET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1E
2005	DZKB000083	BUTTON,HOOK		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4D
2005	DZKB000125	BUTTON,HOOK		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
2006	DZYC0565AS	PC BOARD W/COMPONENT,SC	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AT	PC BOARD W/COMPONENT,SC	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AV	PC BOARD W/COMPONENT,SC	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AW	PC BOARD W/COMPONENT,SC	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YA	PC BOARD W/COMPONENT,SC	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YC	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YJ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YL	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YM	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
2006	DZYC0565YQ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1F
2006	DZYC0565YS	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1F
2006	DZYC0565YT	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1F
2006	DZYC0565YW	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
2006	DZYC0565YX	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1F
2006	DZYC0565YY	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1F
2006	DZYC0565RYV	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
2007	DZHA000054	SHEET,EMI2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
2008	DZYC0568S	PC BOARD W/COMPONENT,NCU	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568T	PC BOARD W/COMPONENT,NCU	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568YW	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2J
2008	DZYC0568YX	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2J
2008	DZYC0568YC	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	2J
2008	DZYC0568YL	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2J
2008	DZYC0568YM	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2J
2008	DZYC0568YY	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2J
2008	DZYC0591W	PC BOARD W/COMPONENT,NCU	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0569YV	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2J
2008	DZYC0570YJ	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0571	PC BOARD W/COMPONENT,NCU	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2010	DZJE000072	POW CAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3K
2011	DZJA000162	CHASSIS,EMI		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
2012	ETXDN014A3A	POWER SUPPLY UNIT 100V		-	-	-	-	-	-	-	1	-		-	-	-	-	-	1	5J
2012	ETXDN014E3A	POWER SUPPLY UNIT 200V		1	1	1	1	1	1	1		1	1	1	1	1	1	1	-	5J
2013	DZJA000159	CHASSIS,POWER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7I
2014	DZMA000126	COVER,BASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
2015	DZMM000007	RUBBER FOOT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2016	DZNK000236	LABEL,GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2019	DZYC0584	PC BOARD W/COMPONENT,SEN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6C
2020	DZHC000030	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6B
2021	DZKN000074	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C

Cover & PC Boards (3/4)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
2014	DZMA000126	COVER,BASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
2015	DZMM000007	RUBBER FOOT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2016	DZNK000236	LABEL,GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2019	DZYC0584	PC BOARD W/COMPONENT,SEN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6C
2020	DZHC000030	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6B
2021	DZKN000074	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
2022	DZMC000077	COVER,FRONT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B
2024	DZNK000260	LABEL,ACIN		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4F
2024	DZNK000261	LABEL,ACIN		1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4F
2026	DZNK000255	LABEL,WARNING,HIGH TEMP		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1C
2027	DZKA000001	KNOB,SLIDE		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1I
4009	DZDR000011	SPEAKER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1K, 5H
24	XYN4+F8	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5H
1Y	XTB3+10J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1B, 1C, 3A, 3D
C2	DZPB000020	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8K
C4	DZPD000003	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G

Cover & PC Boards (4/4)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
2022	DZMC000077	COVER,FRONT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B
2024	DZNK000260	LABEL,ACIN		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	4F
2024	DZNK000261	LABEL,ACIN		1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	-	4F
2027	DZKA000001	KNOB,SLIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1I
4009	DZDR000011	SPEAKER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1K, 5H
24	XYN4+F8	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5H
1Y	XTB3+10J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1B, 1C, 3A, 3D
C2	DZPB000020	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8K
C4	DZPD000003	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G

7.3 Mechanical Unit (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
3001	DZLA000085	ROLLER RECORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G
3004	DZHC000031	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2F
3006	DZKP000079	SPRING,PLATE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2D
3007	DZKJ000003	CAM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C
3008	DZKG000032	SHAFT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
3009	DZKL000009	LEVER,RELEASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
3010	DZJA000158	CHASSIS,HEADSP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
3011	DZNK000241	PAPER GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
3013	DZLM000046	BUSH,P6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B, 3A, 7H, 8G
3014	DZJA000156	BRACKET L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3015	DZKQ000002	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3016	DZKL000010	GUIDE LEVER L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
3017	DZJF000169	CHASSIS, PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3020	DZKL000011	GUIDE LEVER R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3021	DZKQ000003	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
3022	35S1N15DCNX	STEPPING MOTOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4H, 4I
3023	DZJA000157	BRACKET R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6H
3024	DZLF000136	D GEAR,B29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7H, 8H
3025	DZLF000133	F GEAR,B49B19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6K, 7J, 8H, 8J
3026	DZLF000134	F GEAR,B44		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6J, 8I
3027	DZLF000135	F GEAR,B47		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7J, 8I
3028	DZJC000083	CIS PLATE L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6D
3029	DZJC000084	CIS PLATE R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3030	DZAL000038	CIS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3031	DZLA000084	ROLLER,SCANNER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3032	DZHT000016	ASSY,THERMAL HEAD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F, 5K
5S	XTB2+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4A, 7F
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C, 4F

Mechanical Unit (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
3001	DZLA000085	ROLLER RECORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G
3004	DZHC000031	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2F
3006	DZKP000079	SPRING,PLATE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2D
3007	DZKJ000003	CAM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C
3008	DZKG000032	SHAFT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
3009	DZKL000009	LEVER,RELEASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
3010	DZJA000158	CHASSIS,HEADSP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
3011	DZNK000241	PAPER GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
3013	DZLM000046	BUSH,P6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B, 3A, 7H, 8G
3014	DZJA000156	BRACKET L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3015	DZKQ000002	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3016	DZKL000010	GUIDE LEVER L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
3017	DZJF000169	CHASSIS, PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3020	DZKL000011	GUIDE LEVER R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3021	DZKQ000003	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
3022	35S1N15DCNX	STEPPING MOTOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4H, 4I
3023	DZJA000157	BRACKET R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6H
3024	DZLF000136	D GEAR,B29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7H, 8H
3025	DZLF000133	F GEAR,B49B19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6K, 7J, 8H, 8J
3026	DZLF000134	F GEAR,B44		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6J, 8I
3027	DZLF000135	F GEAR,B47		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7J, 8I
3028	DZJC000083	CIS PLATE L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6D
3029	DZJC000084	CIS PLATE R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3030	DZAL000038	CIS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3031	DZLA000084	ROLLER,SCANNER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3032	DZHT000016	ASSY,THERMAL HEAD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F, 5K
5S	XTB2+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4A, 7F
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C, 4F

7.4 Cables (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
4001	DZFP000176	CABLE,MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B
4003	DZFP000167	FFC,PNL1		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	3E
4004	DZFP000168	FFC,PNL2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
4007	DZFA000015	ASSY,INLET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1I
4010	DZFP000171	CABLE,SP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
4011	DZFP000189	ASSY,FS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
4012	DZFP000174	CABLE,RPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4013	DZFP000166	CABLE,TH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6G
4014	DZFP000165	CABLE,IMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5D
4015	DZFP000173	CABLE,SPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4026	DZFP000190	CABLE,FG4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C

Cables (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
4001	DZFP000176	CABLE,MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B
4003	DZFP000167	FFC,PNL1		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3E
4004	DZFP000168	FFC,PNL2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
4007	DZFA000015	ASSY,INLET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1I
4010	DZFP000171	CABLE,SP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
4011	DZFP000189	ASSY,FS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
4012	DZFP000174	CABLE,RPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4013	DZFP000166	CABLE,TH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6G
4014	DZFP000165	CABLE,IMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5D
4015	DZFP000173	CABLE,SPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4026	DZFP000190	CABLE,FG4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C

7.5 Packing & Accessories (1/3)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
5001	DZRB000058	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
5001	DZRB000059	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
5002	DZSD000133	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000134	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000137	USER'S GUIDE		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4D
5002	DZSD000138	USER'S GUIDE		1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	4D
5002	DZSD000140	USER'S GUIDE		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4D
5002	DZSD000141	USER'S GUIDE		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4D
5002	DZSD000142	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4D
5002	DZSD000143	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	4D
5002	DZSD000144	USER'S GUIDE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	4D
5002	DZSD000145	USER'S GUIDE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000146	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4D
5002	DZSD000148	USER'S GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000154	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
5006	DZSD000156	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000157	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000160	QUICK REFERENCE GUIDE		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4D
5006	DZSD000161	QUICK REFERENCE GUIDE		1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	4D
5006	DZSD000163	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4D
5006	DZSD000164	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4D
5006	DZSD000165	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4D
5006	DZSD000166	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	4D
5006	DZSD000167	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	4D
5006	DZSD000168	QUICK REFERENCE GUIDE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000169	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4D
5006	DZSD000171	QUICK REFERENCE GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000174	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
5008	DZRH000077	CUSHION SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B, 7E
5011	THM-493E	RECORDING PAPER (LETTER)		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7C
5011	THM-393E	RECORDING PAPER (A4)		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
5012	DZRH000078	CUSHION,PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
5014	DZFM000003	PS CORD		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
5014	DZFM000027	PS CORD		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
5014	DZFM000004	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000012	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000028	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000008	PS CORD		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	6A
5014	DZFM000029	PS CORD		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	6A
5014	DZFM000011	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6A
5014	DZFM000030	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6A
5014	DZFM000009	PS CORD		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5014	DZFM000031	PS CORD		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5014	DZFM000010	PS CORD		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A
5014	DZFM000032	PS CORD		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A

Packing & Accessories (2/3)

o.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
	DZRB000058	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
	DZRB000059	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	3E
	DZRB000061	CARTON BOX		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3E
	DZSD000136	USER'S GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4D
	DZSD000139	USER'S GUIDE		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000146	USER'S GUIDE		-	-	-	1	-	1	1	-	1	-	-	1	-	-	1	-	4D
	DZSD000147	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
	DZSD000155	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000159	QUICK REFERENCE GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4D
	DZSD000162	QUICK REFERENCE GUIDE		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000169	QUICK REFERENCE GUIDE		-	-	-	1	-	1	1	-	1	-	-	1	-	-	1	-	4D
	DZSD000170	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
	DZSD000175	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZRH000077	CUSHION SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B, 7E
	THM-493E	RECORDING PAPER (LETTER)		-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	1	7C
	THM-393E	RECORDING PAPER (A4)		1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	-	7C
	DZRH000078	CUSHION,PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
	DZFM000003	PS CORD		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	6A
	DZFM000027	PS CORD		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	6A
	DZFM000004	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000012	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000028	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000008	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	6A
	DZFM000029	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	6A
	DZFM000009	PS CORD		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFM000031	PS CORD		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFM000007	PS CORD		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFM000033	PS CORD		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFN000050	LINE CABLE		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZFN000043	LINE CABLE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFN000051	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFN000056	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZFN000057	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZDU000017	HANDSET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8C
	DZFB000004	PTT PLUG		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
	DZFB000012	PTT PLUG		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
	DZQE000003	ROSETT		-	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	7A
	DZQE000002	ADAPTER		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	7B

Packing & Accessories (3/3)

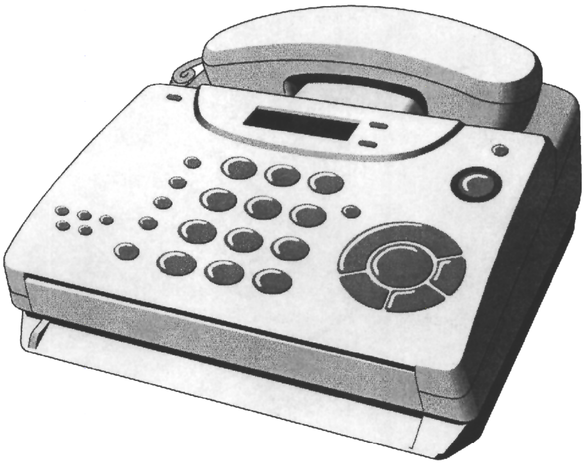
Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
5015	DZFN000050	LINE CABLE		-	-	1	1	1	1	-	-	1	1	-	-	-	-	1	1	1	6A
5015	DZFN000043	LINE CABLE		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	6A
5015	DZFN000030	LINE CABLE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	6A
5015	DZFN000017	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5015	DZFN000025	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A
5015	DZFN000028	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6A
5016	DZFN000056	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
5016	DZFN000057	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
5017	DZDU000017	HANDSET		1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	8C
5017	DZDU000018	HANDSET		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8C
5020	DZFB000006	PTT PLUG		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
5020	DZFB000007	PTT PLUG		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	8A
5020	DZFB000008	PTT PLUG		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	8A
5020	DZFB000009	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000002	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000010	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000011	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8A

ORDER NO. MGCS950701C0
(Standard Version)

Service Manual

Facsimile

UF-S1
UF-A8100



UF-S1 AND UF-V60 SPECIFICATION COMPARISION TABLE\СРАВНИТЕЛЬНАЯ ТАБЛИЦА ТЕХНИЧЕСКИХ ХАРАКТЕРИСТИК ФАКСОВ UF-S1 И UF-V60
DISASSEMBLY INSTRUCTIONS\ПОРЯДОК РАЗБОРКИ
MAINTENANCE, ADJUSTMENTS AND CHECK POINTS\РЕГУЛИРОВКИ, НАСТРОЙКИ, ТОЧКИ ПРОВЕРОК
- **Required tools\необходимые инструменты**
- **Periodic maintenance points\точки периодического обслуживания**
- **Periodic maintenance check list\список периодических проверок**
- **Program ROM\постоянное запоминающее устройство (ПЗУ)**
- **Schematic diagram\упрощенная схема**
- **SC PC board\основная плата**
- **Power supply PC board\плата питания**
- **NCU PC board\плата сопряжения с телефонной линией**

INFORMATION CODE TABLE\ИНФОРМАЦИОННЫЕ КОДЫ
TEST MODES\ТЕСТОВЫЕ РЕЖИМЫ
- **Test mode table\таблица тестовых режимов**
- **Print a test pattern\тестовая распечатка**
- **Function parameter\функциональные параметры**
- **System RAM edit\редактирование содержания ОЗУ**
- **RAM data printout\распечатка содержания ОЗУ**
- **CIS test\проверка сканера**
- **Tonal signal generation\тест генератора несущей**
- **RAM initialisation\инициализация ОЗУ**
- **DTMF signal generation\тест генератора тональных сигналов**
- **Memory test\проверка памяти**
- **LCD and LED test\тест индикаторов и дисплея**
- **ID no setting\установка идентификатора**
- **CIS training\инициализация сканера**

REMOTE CONTROL FEATURE\ФУНКЦИИ ДИСТАНЦИОННОГО УПРАВЛЕНИЯ
EXPLODED VIEW & REPLACEMENT PARTS LIST\СБОРОЧНЫЕ ЧЕРТЕЖИ И СПИСОК ЗАПАСНЫХ ЧАСТЕЙ

Panasonic

1.3 UF-S1 and UF-V60 Specification Comparison Table

Refer to the comparison table below for the different points between UF-S1 and UF-V60 specifications.

Specification Comparison

Items	UF-S1	UF-V60	Remarks
1. MAIN SPECIFICATION			
Compatibility	G3	←	
Modem Speed (bps)	9600/7200/4800/2400	←	
Coding Scheme	MH	MMR/MR/MH	
MWS	Yes	←	
ECM	No	Yes	ITU-T (CCITT)
Short Protocol	Yes(B)	←	
Transmission Speed	Approx. 15 sec	Approx. 10 sec	
2. SCANNER MECHANISM			
ADF Capacity	No	10 sheets	
Document Size (Max.)	216 mm x 1000 mm	257 mm x 800 mm	
Document Size (Min.)	55 mm x 90 mm	148 mm x 105 mm (A6)	
Effective Document Width	205 mm	208 mm	
Scanning Device	CIS	CCD	
Scanning Resolution (line/mm)	8 x 3.85 / 7.7	8 x 3.85 / 7.7 / 15.4	
Scanning Speed (A4, STD)	12 sec	←	
3. PRINTER MECHANISM			
Recording Method	Thermal	←	
Recording Paper Width	A4	←	Letter size for North, C&S America
Recording Paper Length	15 m	30 m	1/2 inch core
Effecting Printing Width	205 mm	←	←
Automatic Paper Cutter	No	Yes	←
4. MEMORY			
Voice / Document Memory	Yes 12 min. or 25 pages (0.5MB)	Yes 9 min. or 50 pages (1MB)	Flash Memory
5. COPY QUALITY			
Half Tone	64 levels	←	
Super Fine (8 x 15.4 lines/mm)	No	Yes	ITU-T
Original Contrast Selection	No	Yes	3 levels

Specification Comparison

Items	UF-S1	UF-V60	Remarks
6. DIALING / TELEPHONE FEATURE			
One-Touch Auto Dialing	5	←	
ABBR. Auto Dialing	No	15	
Auto Dialing Location	15 (Max.)	20 (Max.)	
Digits of Telephone No.	36 (Max.)	←	
Digits of Station Name	15 (Max.)	←	
Directory Dialing	10	←	Sequential ABBR. Dialing Search (UF-V60)
Full Number Dialing (Buffered Dialing)	Yes (1)	Yes (3)	
Direct Dialing (Monitor Dialing)	Yes	←	←
Automatic Redialing	Yes	←	Standard : 2 times with 3 minute interval
Manual Redialing	Yes	←	
Chain Dialing	Yes	←	Only for Monitor Dialing, Off-Hook Dialing
Line Monitor Speaker	Yes	←	
Mercury Key	Yes	←	Only for U.K.
Dialing with Power Failure	Yes	←	Only for U.K., Italy, China
Hold Key	Yes	←	
Pulse/Tone Dialing	Yes	←	Slide Switch
Pulse to Tone Change	Yes	←	* key
Flash Key	Yes	←	
Telephone Handset	Yes (New Type)	Yes	
7. RECEIVE CONTROL			
Fax/Tel Autoswitch	Yes	←	←
Voice Answer for Fax/Tel Autoswitch	Yes (User Recording)	←	4 sec + 8 sec (OGM1 (First OGM) + OGM2 (Last OGM))
Non-Ringing Reception	Yes (Fax Unit)	←	Fax/Tel, Fax/TAM
Ring Counter	1 - 9	←	
External TEL Communication	No	Yes	
External TAM Interface	No	←	
Remote Reception	Yes (only Parallel TEL)	Yes	Depending on country
User-Friendly Reception	Yes	←	CNG Detection during telephone conversation

Specification Comparison

Items	UF-S1	UF-V60	Remarks
7. RECEIVE CONTROL			
Distinctive Ring Detection	Yes	←	Hong Kong, Australia, Singapore
Reception Mode Switching Timer	No	Yes	Out/In or Ringing/No Ringing (Fax/Tel)
8. TRANSMISSION FEATURE			
Memory Transmission	No	Yes (Max. 50 pages)	Page Re-transmission
Multi-Station Transmission	No	Yes (Max. 23 stations)	
Deferred Transmission	No	Yes (ADF/Memory)	
Reception Notice	No	Yes	Transmission of formatted message
9. RECEPTION FEATURE			
Substitute Memory Reception	Yes	←	
Receive into Memory	No	Yes	
10. POLLING FEATURE			
Polling Reception	Yes	←	ITU-T Standard
11. CONVENIENCE			
Panel Display	16 chara. x 1	20 chara. x 1	Alphanumeric
Help Function	Yes	←	
Voice Contact	No	Yes	
12. COPY FEATURE			
Single Copy	Yes	←	
Enlarge Copy	Yes	No	
Multiple Copy	No	Yes	
13. CERTAINTY			
Verification Stamp	No	Yes (Face side)	
Header/Total Page Print	Yes (Only Header)	←	
Transaction Journal	No	Yes	
Communication Report	Yes	←	

Specification Comparison

Items	UF-S1	UF-V60	Remark
14. LIST PRINTOUT			
Speed Dial List	Yes	←	S1:One-Touch/Directory Search V60:One-Touch/ABBR.
Fax Parameter List	Yes	←	
Help Print	Yes	←	Help Function
15. IDENTIFICATION			
Logo	Yes (Max. 25)	←	
Character ID	Yes	←	First 16 characters of Logo is used
Numeric ID	Yes (20)	←	
16. SPECIAL COMMUNICATION FEATURE			
Selective Reception	Yes	←	
17 TAM FEATURE			
Built-In TAM	Yes (12 min.)	Yes (9 min.)	
ICM Recording Counter	Yes (Max. 99 calls)	←	30 , 60 or 90 selectable
OGM	Max. 30 seconds	←	Max. 30 sec (User Recordable)
Message Transfer	Yes	←	
Toll Saver	Yes	←	2/5 ringing
Time Stamp	Yes (DD/HH/MM)	←	On the LCD
Memory/2-Way Recording	Yes	←	
18. REMOTE CONTROLLED FEATURE			
In/Out Switching	Yes	←	
ICM Playback/Skip/Erase	Yes	←	
Memory Received Document Retrieval	No	Yes	
Receive into Memory Mode Setting	No	Yes	
Fax Bulletin Retrieval/Erasing/Storage	No	Yes	
Message Transfer Enable/Disable	No	Yes	
Fax Transfer Enable/Disable	No	Yes	
Destination Tel No. Change for Message Transfer	No	Yes	

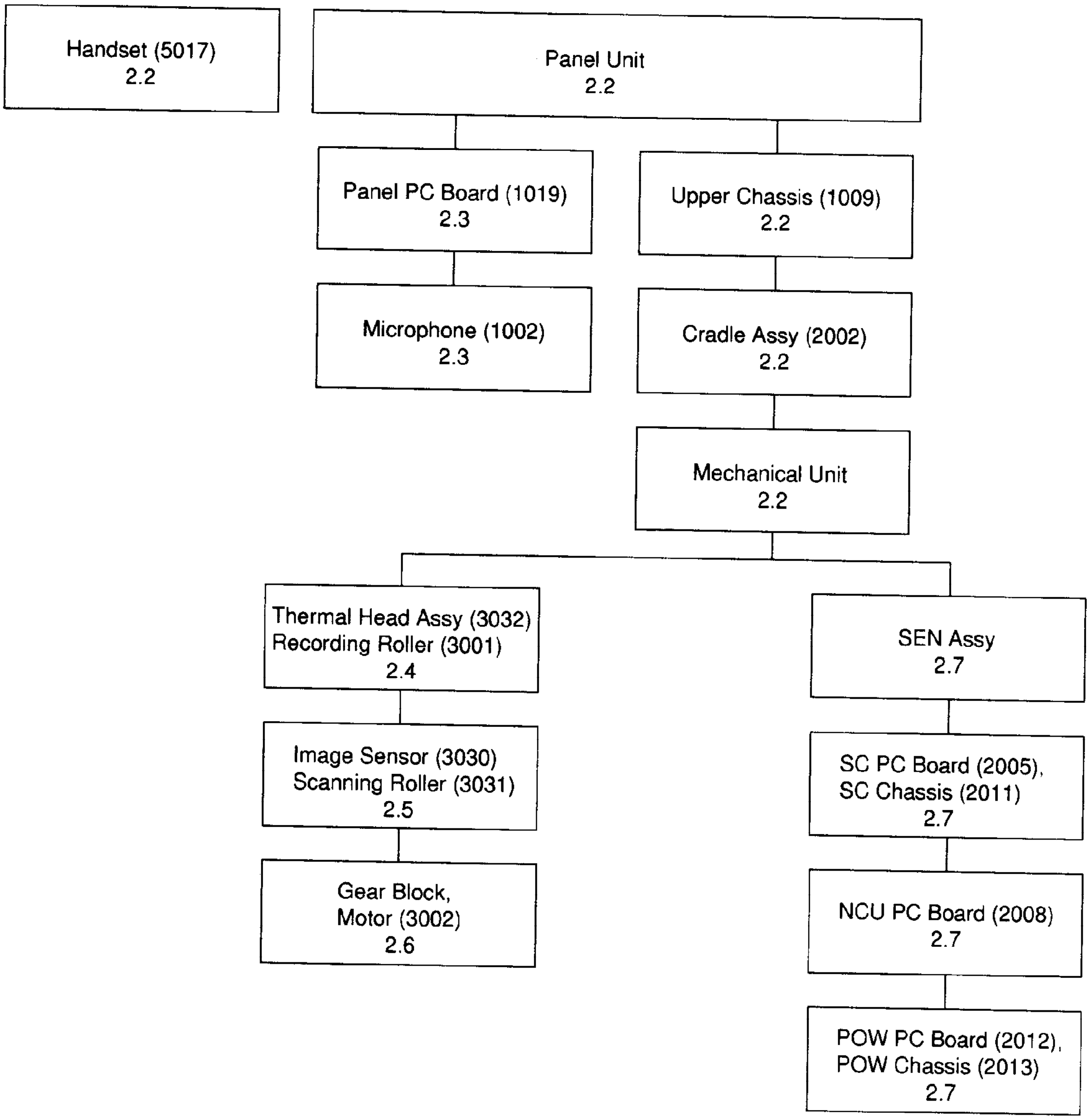
Specification Comparison

Items	UF-S1	UF-V60	Remarks
18. REMOTE CONTROLLED FEATURE			
Destination Tel No. Change for Fax Transfer	No	Yes	
OGM Recording	Yes	←	
19. OTHERS			
Remote Diagnostic	Yes	←	
Internal Demo	Yes	←	
Clock Backup	Yes	←	
Private Call	Yes	No	
20. LANGUAGE			
Control Panel	Depending on country	←	
LCD Screen	Depending on country	←	
Journal/List/Printouts	Depending on country	←	
User's Guide	Depending on country	←	
Quick Reference Guide	Depending on country	←	
Carton Box	English	←	
21. ATTACHMENT AND ACCESSORIES			
Recording Paper	1 (15m)	1 (10m)	Installation Purpose (UF-V60)
Telephone Handset	1	←	
Telephone Line Cord	1	←	
User's Guide	1	←	
Quick Reference Guide	1	←	
Curl Cord	1	←	
Power Supply Cord	1	←	
Recording Paper Stacker	No	1	
Directory Sheet	No	1	
22. CONSUMABLES			
Recording Paper	THM-393E	THM-371F	V60 : Germany only
	THM-393E	THM-371E	V60 : Other Countries
	THM-493E	THM-431F	North, C & S America

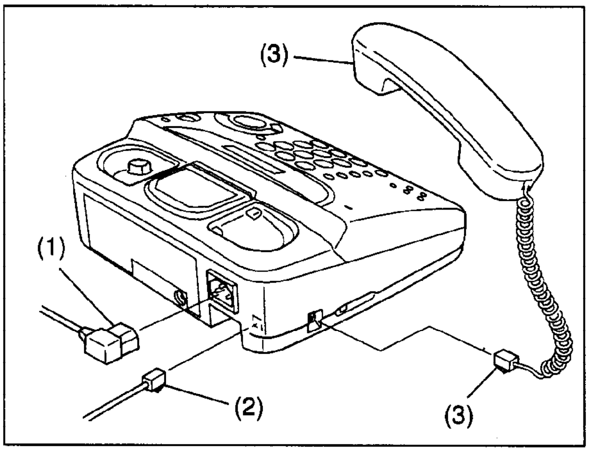
Specification Comparison

Items	UF-S1	UF-V60	Remarks
23. CONSTRUCTION			
Dimensions	Approx. 266 x 231 x 93 mm	Approx. 401 x 269 x 126 mm	
Weight	Approx. 2.5 Kg	Approx. 4.5 Kg	
24. POWER SUPPLY			
AC180-264V, 50/60Hz, Single Phase			
25. ENVIRONMENT			
Operating environment			
Temperature	5 to 35 °C		
Relative Humidity	20 to 80 % RH		
Storage Environment			
Temperature	-10 to 55 °C		
Relative Humidity	10 to 85 % RH		
Transportation Environment (Max. 72H)			
Temperature	-30 to 60 °C		
Relative Humidity	10 to 85 % RH		
26. STANDARD			
ITU-T	Rec. T3, T4, T30		
Safety	IEC 950		
Telephony	PTT requirement		
EMI			

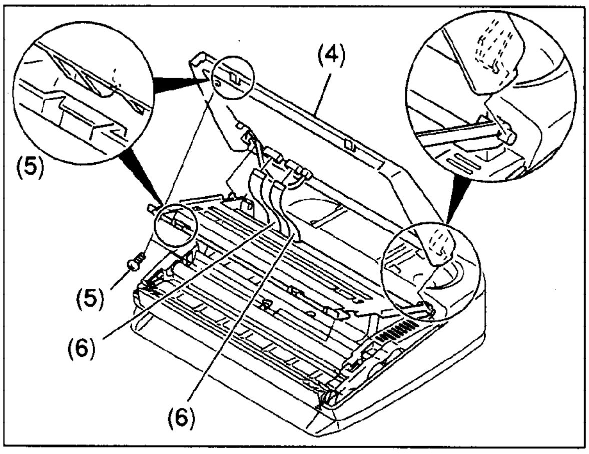
2.1 General Disaseembly Flowchart


Handset (5017)
2.2
Panel Unit
2.2
Panel PC Board (1019)
2.3
Upper Chassis (1009)
2.2
Microphone (1002)
2.3
Cradle Assy (2002)
2.2
Mechanical Unit
2.2
Thermal Head Assy (3032)
Recording Roller (3001)
2.4
SEN Assy
2.7
Image Sensor (3030)
Scanning Roller (3031)
2.5
SC PC Board (2005),
SC Chassis (2011)
2.7
Gear Block,
Motor (3002)
2.6
NCU PC Board (2008)
2.7
POW PC Board (2012),
POW Chassis (2013)
2.7

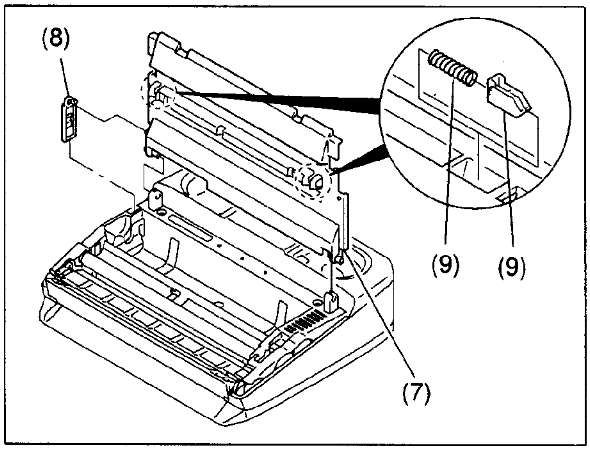
2.2 Panel Assy, Upper Chassis (1009), Cradle Cover Assy (2002), Speaker Assy , Mechanical Unit and ROM.



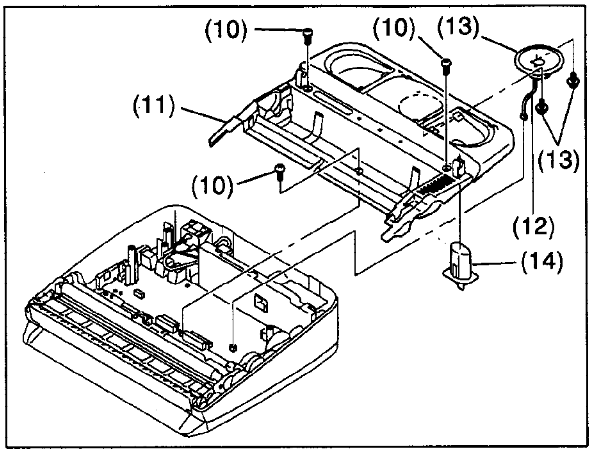
1. Disconnect the ***Power Cord*** (5014).
2. Disconnect the ***Line Cord*** (5015).
3. Remove the ***Handset*** (5017) and the ***Handset Cord*** (5016).



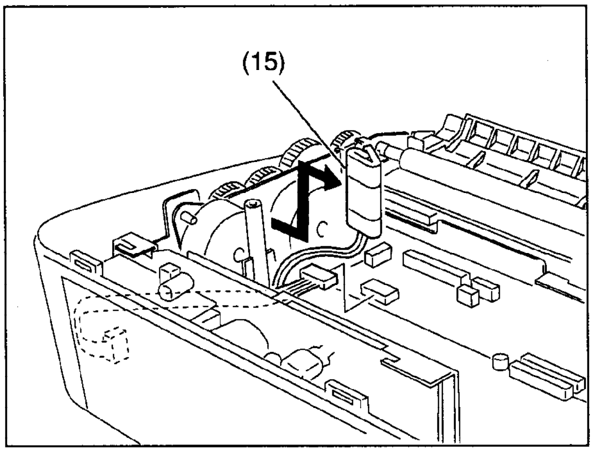
4. Open the ***Cotrol Panel***.
5. Two ***Screws*** (C5) and the ***Panel PC Board*** (1019) (for U.K. only)
5. Release the two ***Latches*** and the ***Panel PC Board*** (1019). (for other countries)
6. Disconnect the ***FFC***, ***PNL1 Cable*** (4003) and ***FFC***, ***PNL 2 Cable*** (4004). (for U.K., Italy and China)
6. Disconnect the ***FFC***, ***PNL 2 Cable*** (4004). (for other countries)



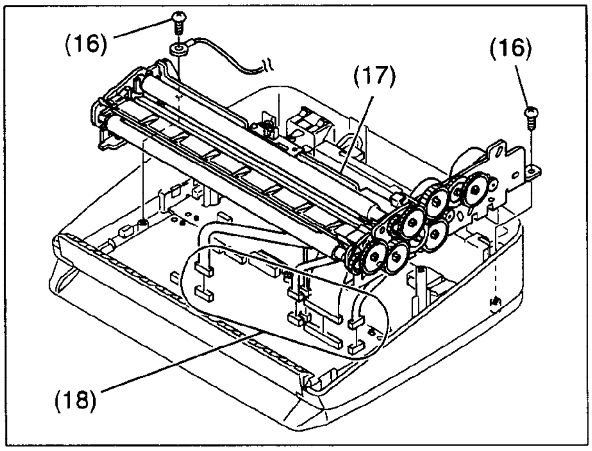
7. Remove the ***Upper Chassis*** (1009).
8. Remove the ***S-Stopper*** (1020).
9. Remove the ***Coil Spring*** (1008) and release the ***Latch*** (1007).



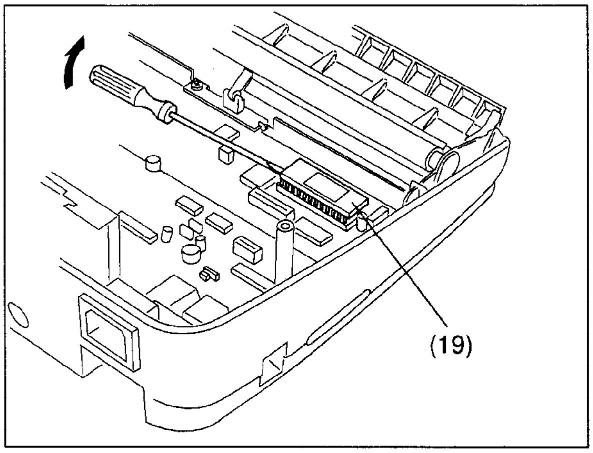
10. Three **Screws** (1Y).
11. Remove the **Cradle Cover Assy** (2002).
12. Disconnect the **Speaker Cable**.
13. Remove the two **Screws** (C2) and **Speaker Assy**.
14. ·Remove the **Hook Button** (2005).



15. Remove the **Heat Fuse**.

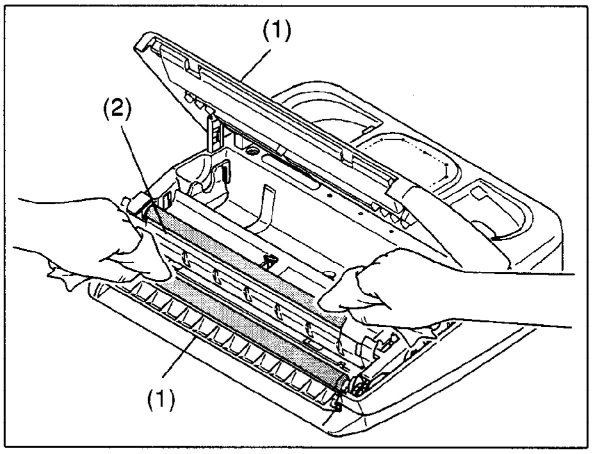


16. Two **Screws** (1Y).
17. Remove the **Mechanical Unit**.
18. Remove the **Image Sensor Cable** (4014), **Thermal Head Cable** (4013), **Document Sensor Cable** (4015) and **Motor Cable 1, 2**.



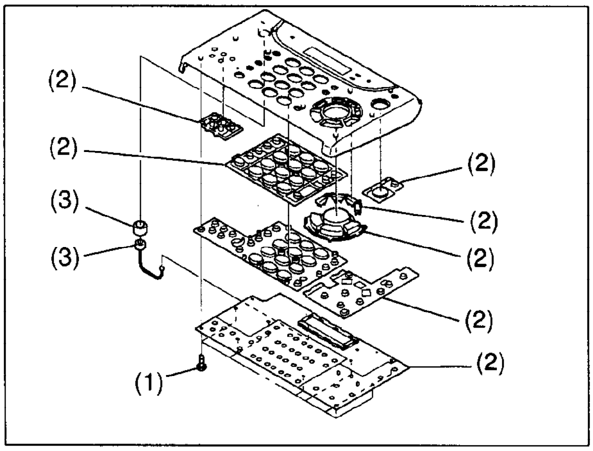
19. Remove the ***ROM***.

Cleaning the Scanning Roller (3031) and Recording Roller (3001).



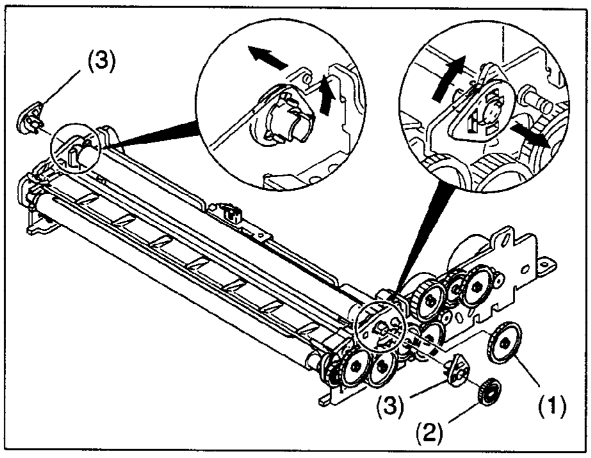
1. Open the ***Cotrol Panel*** and The ***Front Cover*** (2002).
2. Open the ***Paper Chassis*** (3017).
3. Clean the ***Scanning Roller*** (3031) by pressing STOP button repeatedly to rotate roller and the ***Reocrding Roller*** (3001) using a soft cloth soaked with ethyl alcohol.

2.3 Panel PC Board (1017), Microphone (1002)

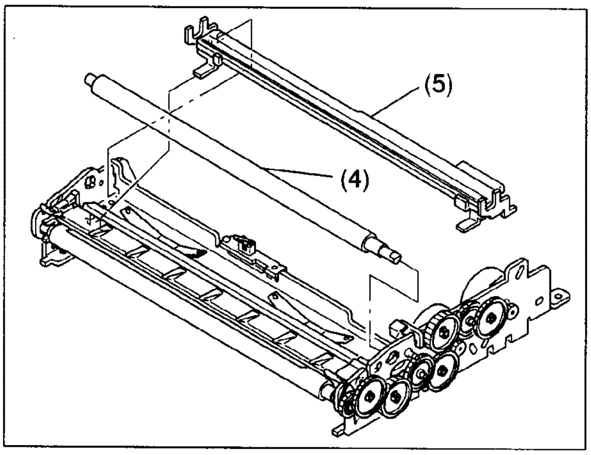


1. Seven ***Screws*** (7B) (for U.K. only)
1. Nine ***Screws*** (7B) (for other countries)
2. Remove the ***Panel PC Board*** (1019), ***Click Sheet A*** (1018), ***Click Sheet B*** (1017), ***Button A*** (1016), ***Button B*** (1013), ***Button C*** (1011), ***Button D*** (1014) and ***LED*** (1015).
3. Remove the ***Microphone Cover*** and ***Microphone***.

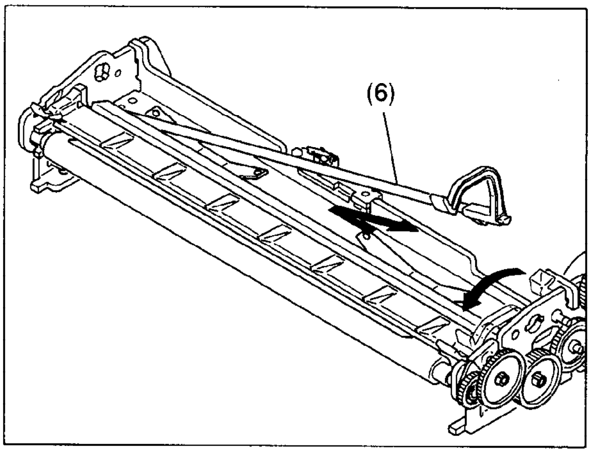
2.4 Thermal Head Assy (3032) and Recording Roller (3001)



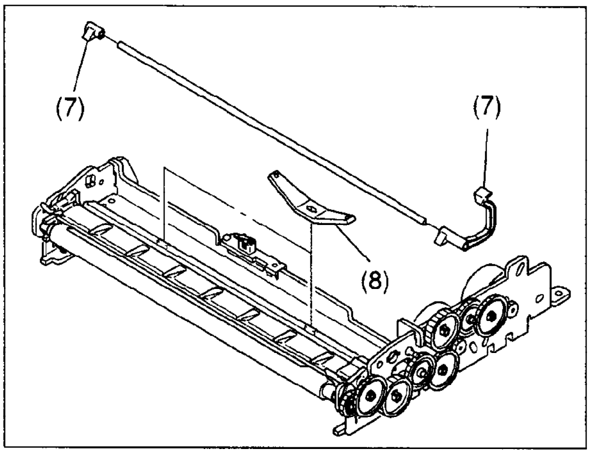
1. Remove the ***F Gear*** (3025).
2. Remove the ***D Gear*** (3024).
3. Remove the ***Bush*** (3013) of both side by rotating 90°.



4. Remove the ***Recording Roller*** (3001).
5. Remove the ***Thermal Head Assy*** (3032).

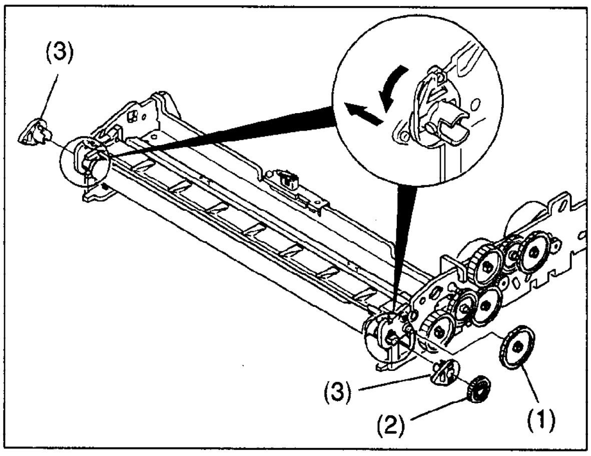


6. Remove the ***Release Lever*** by rotating 90°.

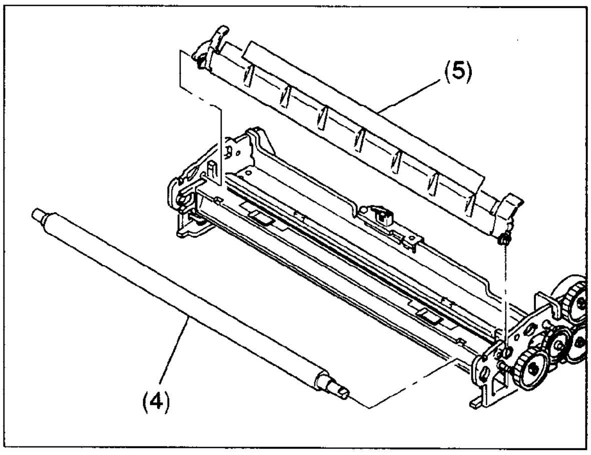


7. Remove the ***CAM*** (3007) and ***Release Lever*** (3009).
8. Remove the two ***Spring Plate*** (3005).

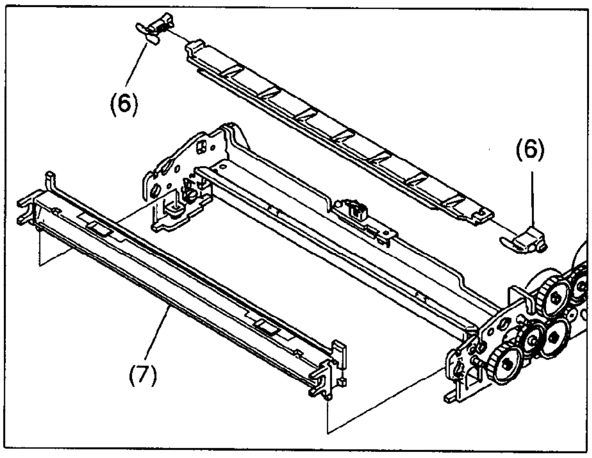
2.5 Image Sensor (3030) and Scanning Roller (3031)



1. Remove the ***F Gear*** (3025).
2. Remove the ***D Gear*** (3024).
3. Remove the ***Bush*** (3013) by rotating 90°.



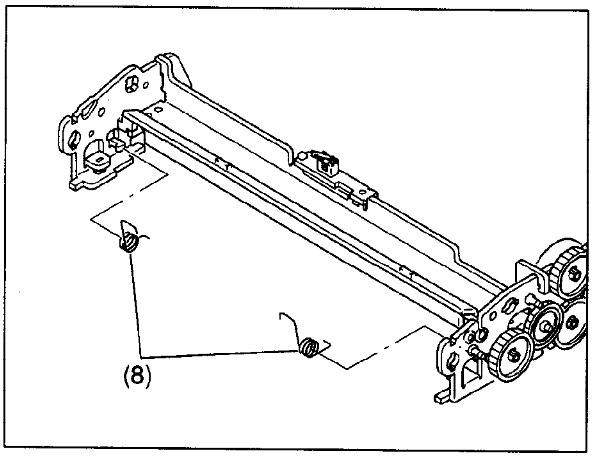
4. Remove the ***Scanning Roller*** (3031).
5. Remove the ***Paper Chassis***.



6. Remove the ***Guide Lever L*** (3016) and ***Guide Lever R*** (3020).
7. Remove the ***Image Sensor*** (3030).

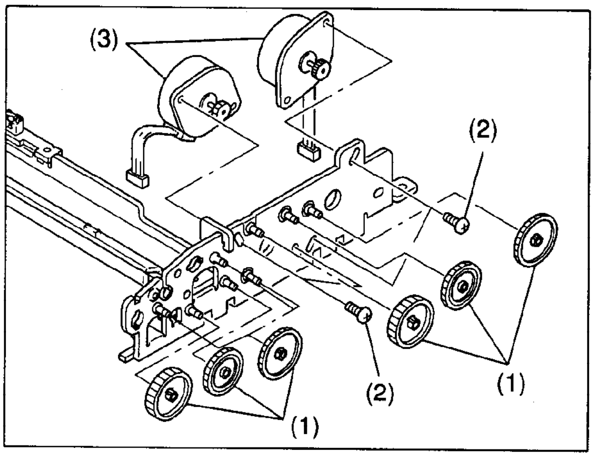
Note

Please operate CIS Training by referring 5.13 Test Mode 15 in the Chapter 5 after you replaced CIS.



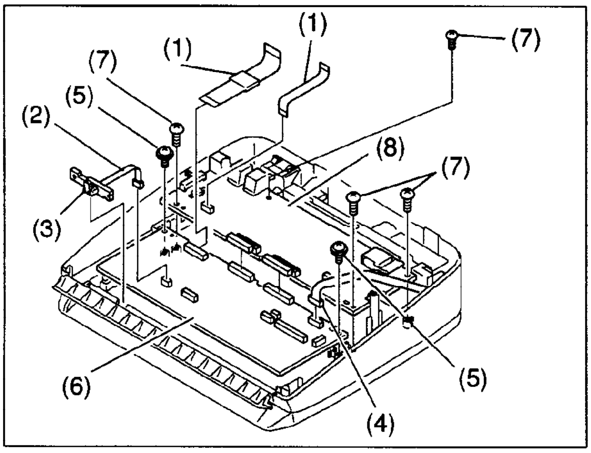
8. Remove the ***Spring Coil L*** (3015) and ***Spring Coil R*** (3021).

2.6 Motor



1. Remove the four ***F Gears*** (3025), two ***F Gears*** (3027) and two ***F Gears*** (3026).
2. Four ***Screws*** (19)
3. Remove the ***Motors*** (3022).

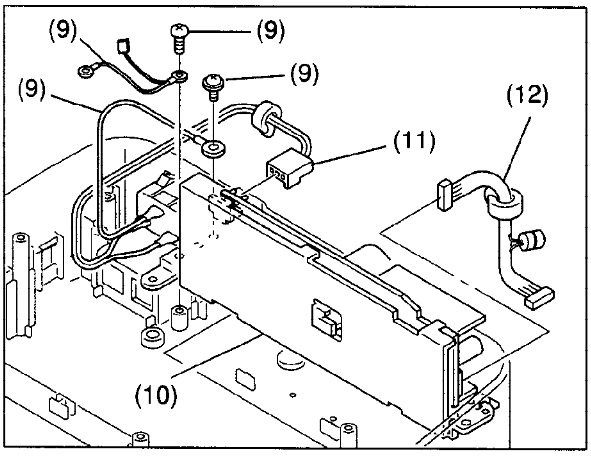
2.7 SEN Assy, SC PC Board (2005), NCU PC Board (2008) and POW PC Board (2012)



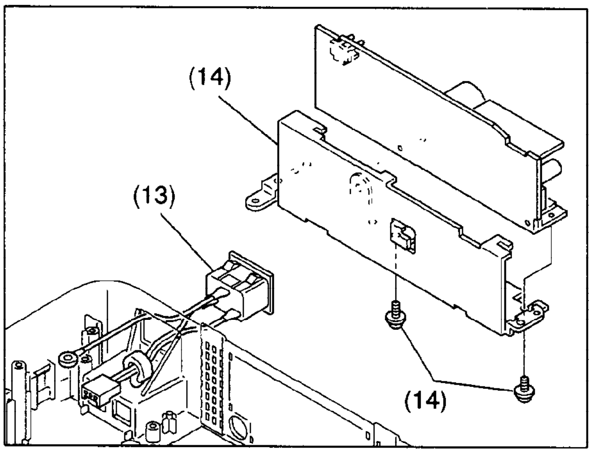
1. Remove the ***FFC***, ***PNL 1 Cable*** (4003) and ***FFC, PNL 2 Cable***(4004). (for U.K.)
1. Remove the ***FFC***, ***PNL 2 Cable*** (4004). (for other countries)
2. Disconnect the ***Document Sensor Cable*** (4015).
3. Remove the ***SEN Assy***.
4. Disconnect the ***POW Cable*** (4011).
5. Two ***Screws*** (C4)
6. Remove the ***SC PC Board*** (2005).
7. Four ***Screws*** (19).
8. Remove the ***NCU PC Board*** (2008).

Note

Please operate CIS Training by referring 5.13 Test Mode 15 in the Chapter 5 after you replaced SC PC Board.



9. Two ***Screw*** (24) and remove the two ***FG Cables***.
10. Remove the ***POW Assy***.
11. Disconnect the ***POW2 Cable***.
12. Remove the ***POW Cable*** (4011).



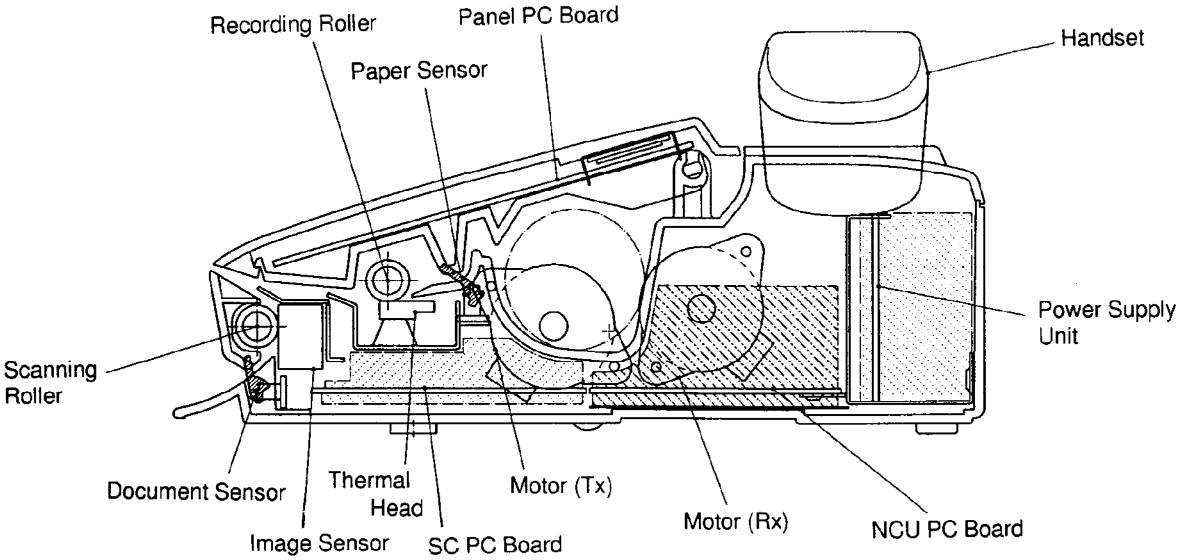
13. Remove the ***Inlet*** (4007).
14. Two ***Screw*** (C3) and remove the ***Power Chassis*** (2013).

3.1 Required Tools

Tool List

No.	Tool	No.	Tool
1	Soft Cloth	5	Tweezers
2	Ethyl Alcohol	6	Pliers
3	Phillips Screwdriver (#0) (#2)	7	Cotton Swab
4	Blade-tip Screwdriver (3/32 in)	8	Brush

3.2 Periodic Maintenance Points


Recording Roller
Panel PC Board
Paper Sensor
Handset
Power Supply Unit
Scanning Roller
Document Sensor
Thermal Head
Image Sensor
SC PC Board
Motor (Tx)
Motor (Rx)
NCU PC Board

3.3 Periodic Maintenance Check List

The chart outlined below is a general guideline for maintenance. The example list is for an average usage of 50 transmitted and received documents per day. Needless to say, the environmental conditions and actual use will vary these factors.

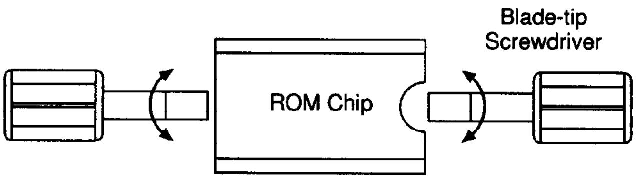
The chart below is for reference only.

Periodic Maintenance Check List

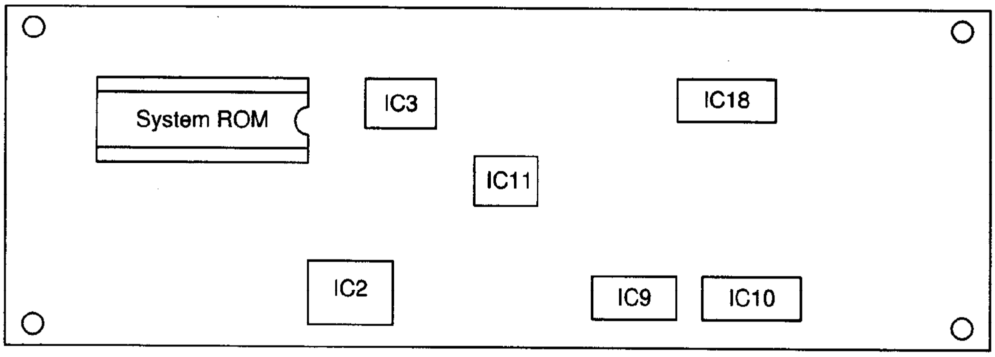
Maintenance Item	Cleaning		Replacement/Adjustment	
	Cycle	Method	Cycle	Method
Scanning Roller	3 months	Page 2-8	1-3 years (10,000 documents)	Page 2-12
Image Sensor	3 months	Page 2-8	5 years	
TX Motor	-	-	5 years	Page 2-17
RX Motor	-	-	5 years	Page 2-17
Thermal Head	3 months	Page 2-6	4 years	Page 2-10
Recording Roller	3 months	Page 2-6	5 years	Page 2-5

3.4 Program ROM

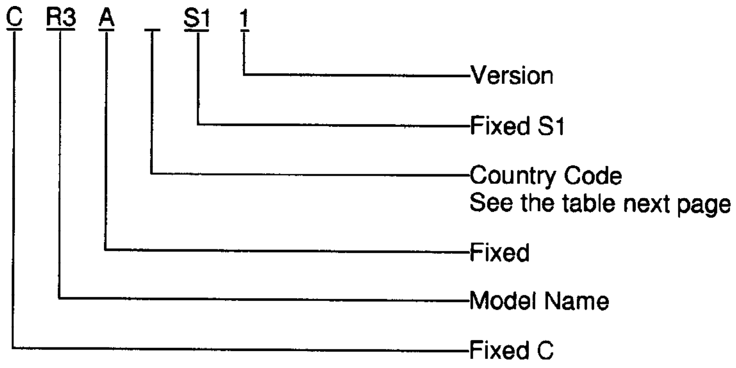
3.4.1 Replacement Procedure (ROM is mounted on SC PCB.) (Refer to section 2.2)


Blade-tip Screwdriver
ROM Chip

3.4.2 ROM Location


System ROM
IC3
IC18
IC11
IC2
IC9
IC10

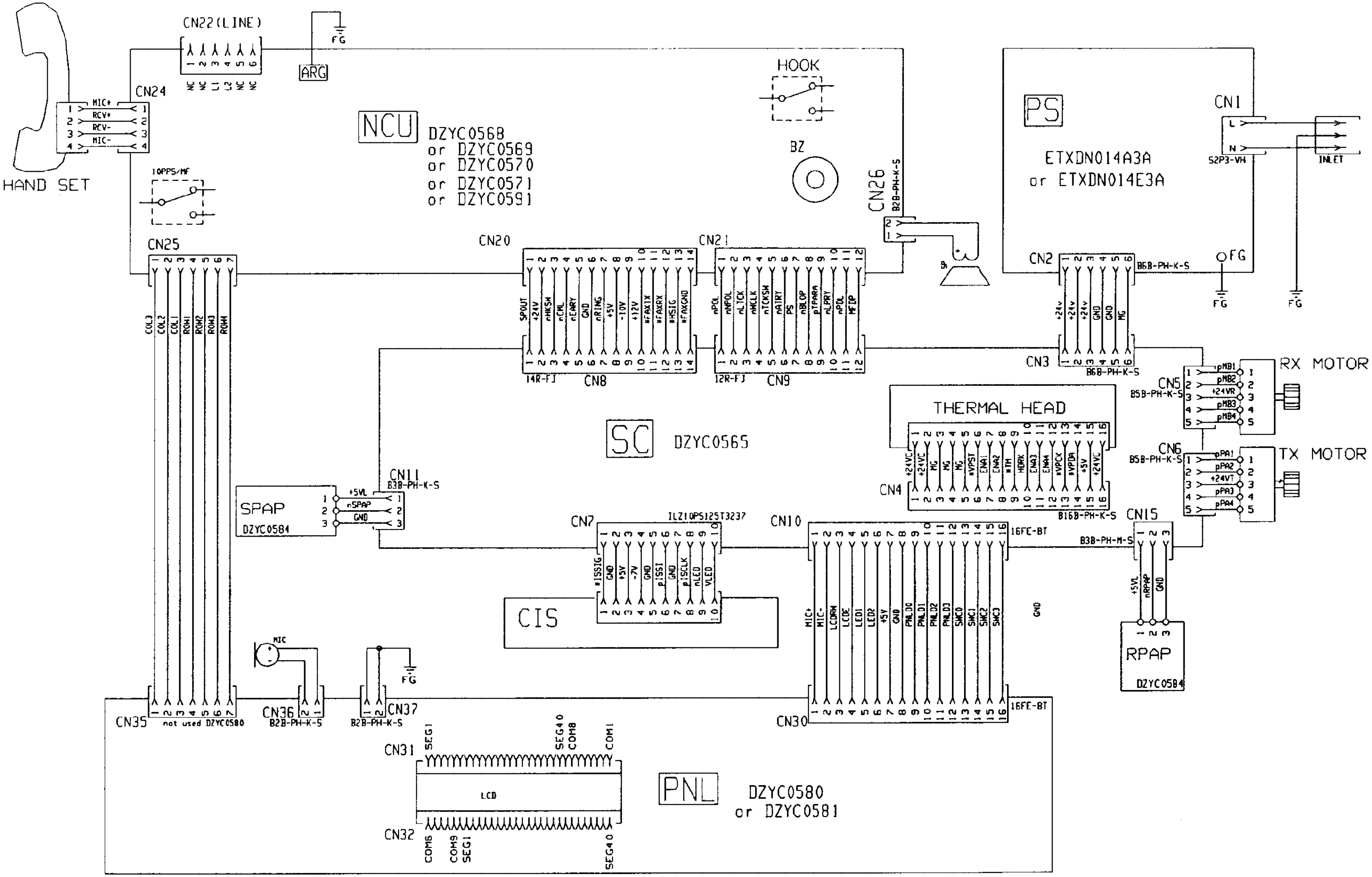
3.4.3 ROM Label


C R3 A _ S1 1
Version
Fixed S1
Country Code
See the table next page
Fixed
Model Name
Fixed C

Country Code Table

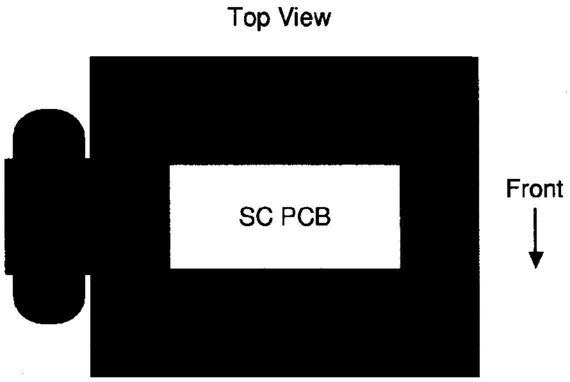
Country Code	Country	Country Code	Country
AA	Austria	EE	Italy
AB	U.K.	YA	South America
AC	Canada	YC	Others
AD	Denmark	YJ	Checo, Slovakia
AE	Taiwan	YL	Brazil (100V)
AF	Finland	YM	Malaysia
AG	Germany	YQ	Brazil (200V)
AH	Holland	YS	Saudi Arabia
AJ	Spain	YT	Thailand
AK	Hong Kong	YV	China
AL	Asutralia	YW	South Africa
AM	Switzerland	YX	Singapore
AN	Norway	YY	Central & South America
AP	Portugal		
AQ	Ireland		
AR	Belgium		
AS	Sweden		
AT	Turkey		
AV	France		
AW	New Zealand		

3.5 Schematic Diagram

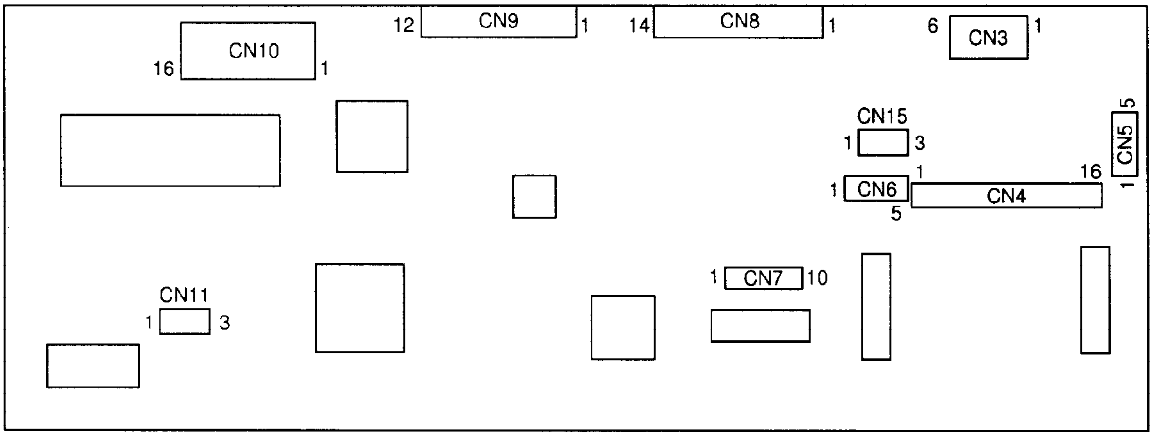

HAND SET
MIC+
RCV+
RCV-
MIC-
CN24
CN22(LINE)
NC NC L1 L2 NC NC
FG
ARG
NCU
DZYC0568
or DZYC0569
or DZYC0570
or DZYC0571
or DZYC0591
10PPS/MF
HOOK
BZ
CN26
B2B-PH-K-S
SP
PS
ETXDN014A3A
or ETXDN014E3A
CN1
L
N
S2P3-VH
INLET
FG
CN2
B6B-PH-K-S
+24V
+24V
+24V
GND
GND
MG
CN3
B6B-PH-K-S
CN25
COL3
COL2
COL1
ROW1
ROW2
ROW3
ROW4
CN20
CN21
SPOUT
+24V
nHKSW
nCML
nCARY
GND
nRING
+5V
-10V
+12V
*FAXTX
*FAXRX
*HSIG
*FAXGND
nPOL
nNPOL
nLTCK
nHCLK
nTCKSW
nAIRY
PS
nBLOP
pTPARA
nLPRY
nPOL
MFDP
14R-FJ
CN8
12R-FJ
CN9
RX MOTOR
CN5
B5B-PH-K-S
pMB1
pMB2
+24VR
pMB3
pMB4
TX MOTOR
CN6
B5B-PH-K-S
pPA1
pPA2
+24VT
pPA3
pPA4
THERMAL HEAD
+24VC
+24VC
MG
MG
MG
*VPST
ENA1
ENA2
*TH
HDRK
ENA3
ENA4
*VPCK
*VPDA
+5V
+24VC
CN4
B16B-PH-K-S
SC
DZYC0565
SPAP
DZYC0584
CN11
B3B-PH-K-S
+5VL
nSPAP
GND
CN7
ILZ10PS125T3237
*ISSIG
GND
+5V
-7V
GND
pISSI
GND
pISCLK
nLED
VLED
CIS
CN10
16FC-BT
MIC+
MIC-
LCDRW
LCDE
LED1
LED2
+5V
GND
PNLD0
PNLD1
PNLD2
PNLD3
SWC0
SWC1
SWC2
SWC3
GND
CN15
B3B-PH-M-S
+5VL
nRPAP
GND
RPAP
DZYC0584
MIC
FG
CN35
not used DZYC0580
CN36
B2B-PH-K-S
CN37
B2B-PH-K-S
CN30
16FE-BT
CN31
SEG1
SEG40
COM8
COM1
LCD
CN32
COM8
COM9
SEG1
SEG40
PNL
DZYC0580
or DZYC0581

3.6 SC PC Board

3.6.1 SC PC Board Location


Top View
SC PCB
Front

3.6.2 Connector Location on SC PC Board


CN10
16
1
12
CN9
1
14
CN8
1
6
CN3
1
CN15
1
3
CN5
5
1
1
CN6
5
1
CN4
16
1
CN7
10
CN11
1
3

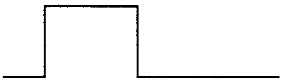
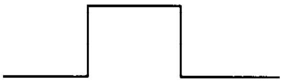
3.6.3 Pin Alignment

Note The following mark in the signal name mean;
* : analog signal.
n : digital signal (normal level is high, activated by low signal.)
p : digital signal (normal level is low, activated by high signal.)

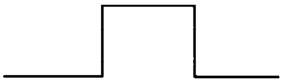
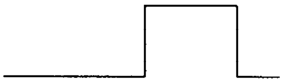
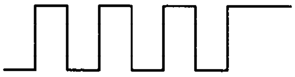
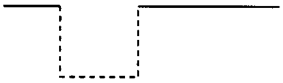
CN3

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	+24V	Power Supply Unit CN14-1	+24V	+24V DC Power Supply
2 IN	+24V	Power Supply Unit CN14-2	+24V	+24V DC Power Supply
3 IN	+24V	Power Supply Unit CN14-3	+24V	+24V DC Power Supply
4	GND	Power Supply Unit CN14-4	0V	Digital Ground
5	GND	Power Supply Unit CN14-5	0V	Digital Ground
6	MG	Power Supply Unit CN14-6	0V	Mechanical Ground

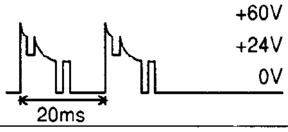
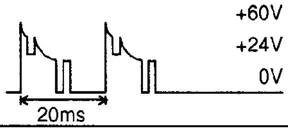
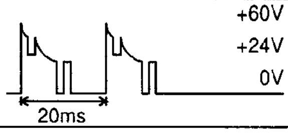
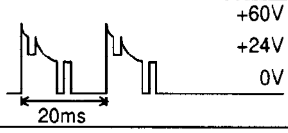
CN4 (1/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1	+24VC	Thermal Head	+24V	+24V DC Power Supply
2	+24VC	Thermal Head	+24V	+24V DC Power Supply
3	MG	Thermal Head	0V	Mechanical Ground
4	MG	Thermal Head	0V	Mechanical Ground
5	MG	Thermal Head	0V	Mechanical Ground
6	VPST	Thermal Head		
7 OUT	ENA1	Thermal Head		Enable Signal
8 OUT	ENA2	Thermal Head		Enable Signal
9 IN	TM	Thermal Head	1.1V Normal 0V Overheat	Monitoring Thermistor Threshold : Approx. 1.1V
10 IN	HD12K	Thermal Head		

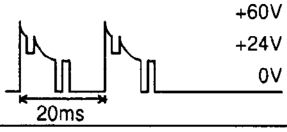
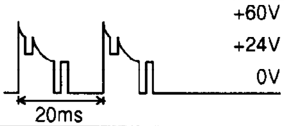
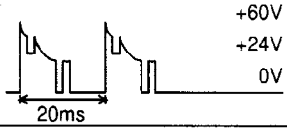
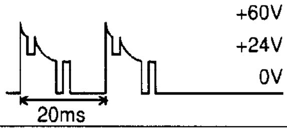
CN4 (2/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
11 OUT	ENA3	Thermal Head		Enable Signal
12 OUT	ENA4	Thermal Head		Enable Signal
13	VPCK	Thermal Head		Serial Clock
14	VPDA	Thermal Head		Serial Data
15	+5V	Thermal Head		+5V DV Power Supply
16	+24VC	Thermal Head		+24V DC Power Supply

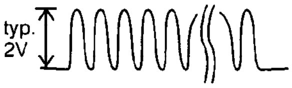
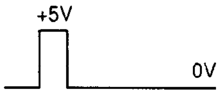
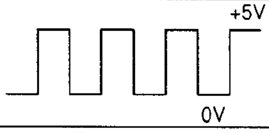
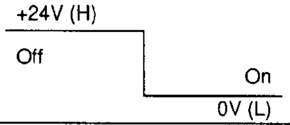
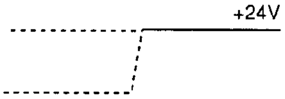
CN5

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	pMB1	Rx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
2 OUT	pMB2	Rx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
3 OUT	+24VC	Rx MOTOR	+24V	+24V DC Power Supply
4 OUT	pMB3	Rx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
5 OUT	pMB4	Rx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor

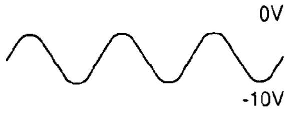
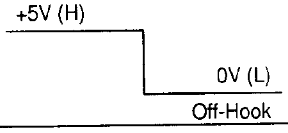
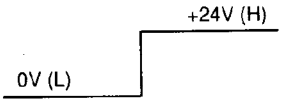
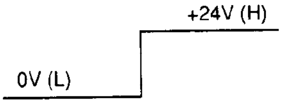
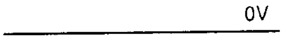
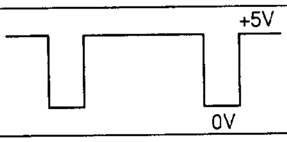
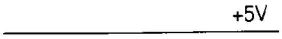
CN6

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	pMA1	Tx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
2 OUT	pMA2	Tx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
3 OUT	+24VC	Tx MOTOR	+24V	+24V DC Power Supply
4 OUT	pMA3	Tx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
5 OUT	pMA4	Tx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor

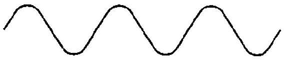
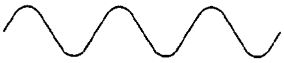
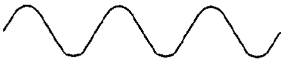
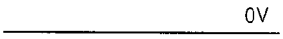
CN7

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	ISSIG	CIS		Picture Signal
2	GND	CIS	0V	Digital Ground
3	+5V	CIS	+5V	+5V DC Power Supply
4	-10V	CIS	-10V	-10V DC Power Supply
5	GND	CIS	0V	Digital Ground
6 OUT	ISSI	CIS		Start Signal
7	-10V	CIS	-10V	-10V DC Power Supply
8 OUT	ISCLK	CIS		Clock
9	LEDG	CIS		L : LED On H : LED Off
10	LED	CIS		Switching LED lamp ON

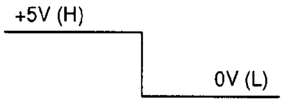
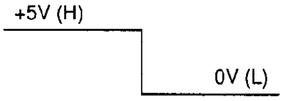
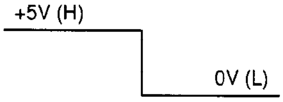
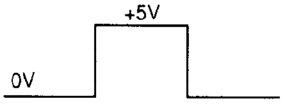
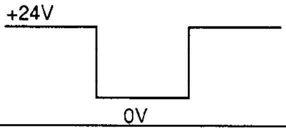
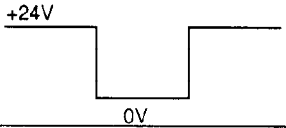
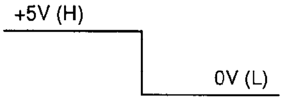
CN8 (1/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	SPOUT	NCU PC Board CN20-1		Speaker Signal
2	+24V	NCU PC Board CN20-2		+24V DC Power Supply
3 IN	HKSW	NCU PC Board CN20-3		HS Hook Status H : On-Hook L : Off-Hook
4 OUT	CML	NCU PC Board CN20-4		Control Signal for RL1 L : Relay is switched.
5 OUT	EARY	NCU PC Board CN20-5		Control Signal for RL4 L : Relay is switched.
6	GND	NCU PC Board CN20-6		Digital Ground
7 IN	RING	NCU PC Board CN20-7		Ring Status of Line L : Ringing
8	+5V	NCU PC Board CN20-8		+5V DC Power Supply
9	-10V	NCU PC Board CN20-9		
10	+12V	NCU PC Board CN20-10		+12V DC Power Supply

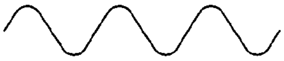
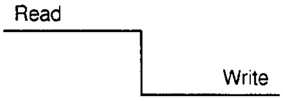
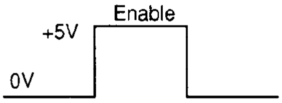
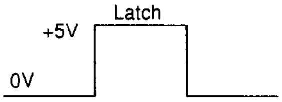
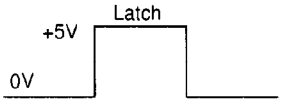
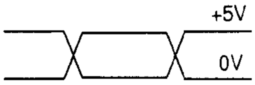
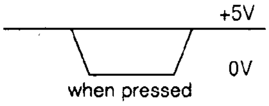
CN8 (2/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
11 OUT	FAX TX	NCU PC Board CN20-11		Fax Tx Signal Signal
12 IN	FAX RX	NCU PC Board CN20-12		Fax Rx Signal
13 IN	HSIG	NCU PC Board CN20-13		Telephone Signal and CNG
14	FAX GND	NCU PC Board CN20-14		Fax Signal Ground

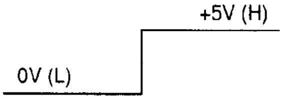
CN9

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	PPOL	NCU PC Board CN21-1		Telephone Line Current Detection
2 IN	NPOL	NCU PC Board CN21-2		Telephone Line Current Detection
3 IN	LTCK	NCU PC Board CN21-3		Not used
4 OUT	WCLK	NCU PC Board CN21-4		Not used
5 OUT	TCKSW	NCU PC Board CN21-5		Not used
6 OUT	ATRY	NCU PC Board CN21-6		Not used
7 OUT	PS	NCU PC Board CN21-7		Not used
8 IN	BLoop	NCU PC Board CN21-8		Telephone Line Current Detection
9 IN	TPARA	NCU PC Board CN21-9		Hook status for the phone in parallel (for U.S.A. and Canada only) L : On-Hook H : Off-Hook
10 OUT	LPRY	NCU PC Board CN21-10		Shaping Dialing Pulse
11 OUT	PDL	NCU PC Board CN21-11		Pulse Dialing Control Signal H : Make Loop L : Break Loop
12 IN	MFDP	NCU PC Board CN21-12		Tone / Pulse Slide Switch Position H : Tone Dialing L : Pulse Dialing

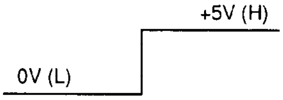
CN10

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	MIC+	PANEL PC Board CN30-1		Mic Signal
2	MIC-	PANEL PC Board CN30-2		Analog Ground
3 OUT	LCDRW	PANEL PC Board CN30-3		Panel CPU Read / Write H : Read L : Write
4 OUT	LCDE	PANEL PC Board CN30-4	 Enable +5V 0V	Panel CPU R / W Enable H : Enable
5 OUT	LED1	PANEL PC Board CN30-5		LED Data Latch Pulse 1
6 OUT	LED2	PANEL PC Board CN30-6		LED Data Latch Pulse 2
7	GND	PANEL PC Board CN30-7		Digital Ground
8	+5V	PANEL PC Board CN30-8		+5V DC Power Supply
9 ~ 12 I/O	PNLD0~3	PANEL PC Board CN30-9~12		Panel CPU and LED Data
13 ~ 16 IN	SWC0~3	PANEL PC Board CN30-13~16	 +5V 0V when pressed	Key Scan Data

CN11

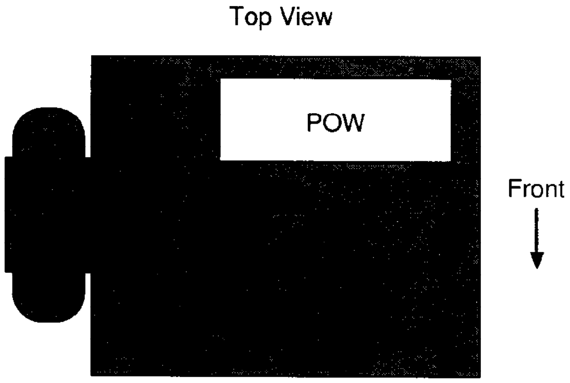
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	LEDA	Document Sensor PC Board	Approx. +5V	Approx. +5V DC Power Supply
2 IN	SPAP	Document Sensor PC Board		____________ Sensor H : Paper detected L : No paper detected
3	GND	Document Sensor PC Board	0V	Digital Ground

CN15

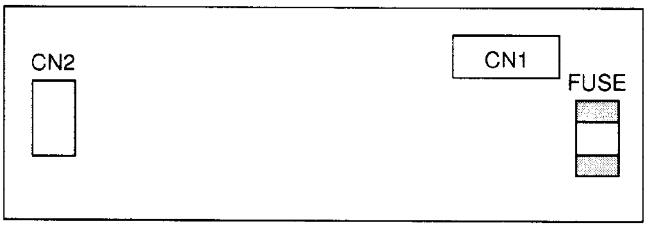
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	LEDB	Recording Paper Sensor PC Board	Approx. +5V	Approx. +5V DC Power Supply
2 IN	RPAP	Recording Paper Sensor PC Board		Recording Paper Sensor H : Paper detected L : No paper detected
3	GND	Recording Paper Sensor PC Board	0V	Digital Ground

3.7 Power Supply PC Board

3.7.1 PCB Location

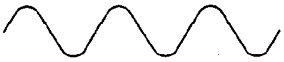
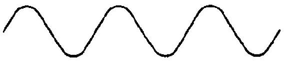

Top View
POW
Front

3.7.2 Connector Location on POW PC Board


CN2
CN1
FUSE

3.7.3 Pin Alignment

CN1

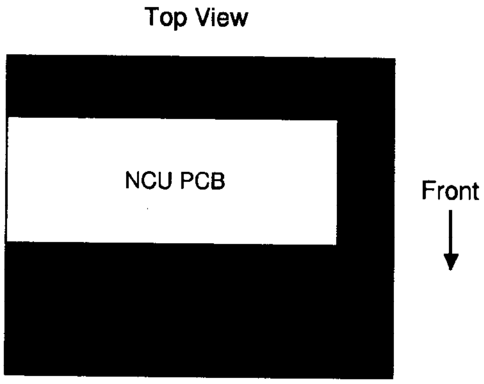
Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	AC NUTRAL	POW PC Board CN2-2		110V AC / 120V AC or 220V AC / 240V AC
2	NC			No Connection
3 IN	AC LIVE	POW PC Board CN2-1		110V AC / 120V AC or 220V AC / 240V AC

CN2

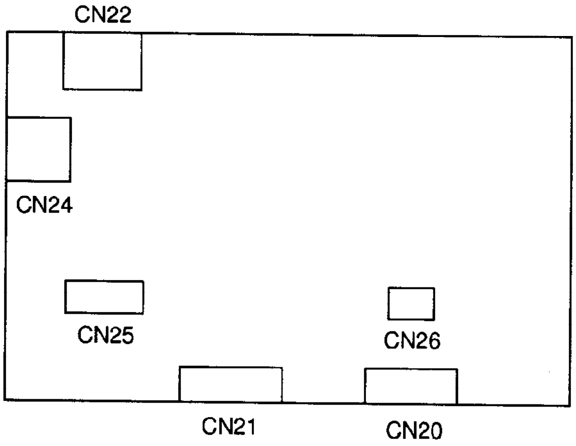
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	+24V	SC PC Board CN3-1	+24V	+24V DC Power Supply
2	+24V	SC PC Board CN3-2	+24V	+24V DC Power Supply
3	+24V	SC PC Board CN3-3	+24V	+24V DC Power Supply
4	GND	SC PC Board CN3-4	0V	Digital Ground
5	GND	SC PC Board CN3-5	0V	Digital Ground
6	MG	SC PC Board CN3-6	0V	Mechanical Ground

3.8 NCU PC Board

3.8.1 PCB Location

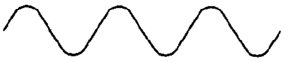
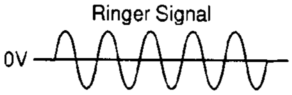
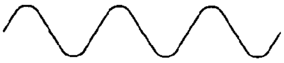

Top View
NCU PCB
Front

3.8.2 Connector Location on NCU PC Board

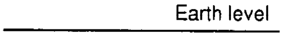
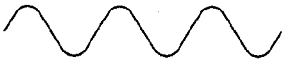
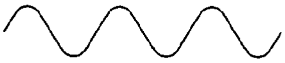

CN22
CN24
CN25
CN26
CN21
CN20

3.8.3 Pin Alignment

CN22 (for U.K., Hong Kong, New Zealand)

Pin No.	Signal Name	Destination	Signal Waveform	Function
2	L1	Telephone Line		Line Signal
3	NC			No Connection
4	Shunt	Shunt Line		Ringer Signal (Not used for Hong Kong)
5	L2	Telephone Line		Line Signal

CN22 (Other countries)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1	NC or E			No connection or Line Earth
2	NC or E		Earth level	No connection or Line Earth
3	L1	Telephone Line		Line Signal
4	L2	Telephone Line		Line Signal
5	NC			No connection
6	NC			No connection

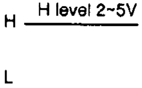
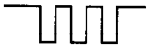
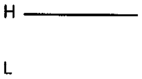
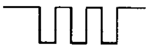
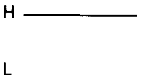
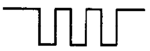
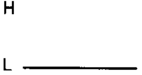
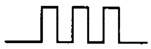
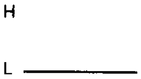
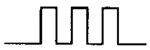
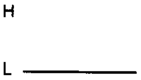
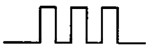
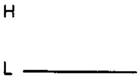
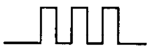
CN20

See CN8 on SC PC Board in page 3-13~14.

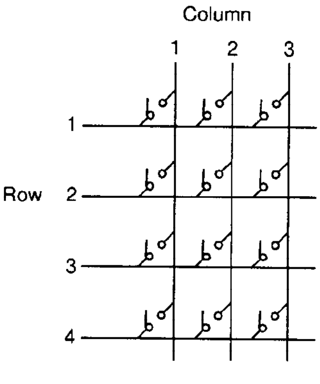
CN21

See CN11 on SC PC Board in page 3-17.

CN25

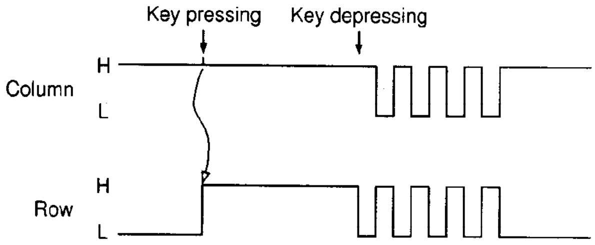
Pin No.	Signal Name	Destination	Signal Waveform		Function
1	Column 3	Key Matrix in the Control Panel	Stand by H level 2~5V 	By detecting Key pressing 	Scanning Signal for Key Matrix when no power occurred
2	Column 2	Key Matrix in the Control Panel			Scanning Signal for Key Matrix when no power occurred
3	Column 1	Key Matrix in the Control Panel			Scanning Signal for Key Matrix when no power occurred
4	Row 1	Key Matrix in the Control Panel	L level0~1V 		Scanning Signal for Key Matrix when no power occurred
5	Row2	Key Matrix in the Control Panel			Scanning Signal for Key Matrix when no power occurred
6	Row 3	Key Matrix in the Control Panel			Scanning Signal for Key Matrix when no power occurred
7	Row 4	Key Matrix in the Control Panel			Scanning Signal for Key Matrix when no power occurred

Supplementation :



Key Matrix

By detecting key pressing, pulse signal is generated for both row and column. Row signal corresponding with key is kept high while it is pressed.

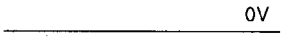


H level about 2V~5V due to power is supplied from line.

CN24

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	MIC+	Handset		Handset Mic. Signal
2 OUT	RCV+	Handset		Handset Receiver Signal
3 OUT	RCV-	Handset		Handset Receiver Signal
4 IN	MIC-	Handset		Handset Mic. Signal

CN26

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	SP	Speaker		Speaker Signal
2	GND	Speaker		Digital Signal

4.4 Information Code Table

Information Code Table (1/5)

Info. Code	Mode	Phase	Description of Problem	Cause
010	RCV COPY	-	No recording paper	No recording paper or paper is not set properly. Paper Sensor is defective.
012	RCV (POLLING)	C D	The length of received document is too long.	The maximum received document length is 2m (78.7 inches).
020	RX COPY	-	Thermal Head temperature is over 70 °C (158°F)	Thermal Head is defective. (due to abnormal Power Supply) Recording Paper jam
030	XMT	B	RP Sensor does not go On within 10 seconds after document starts feeding.	Document is not set properly. Defective SPAP Sensor or Actuator.
031	XMT COPY	C	Transmitting document was longer than 1m (39.4 inches).	Document may get jammed. Defective SPAP Sensor or Actuator .
032	XMT COPY	C	Transmitting document was shorter than 70mm (2.8 inches).	Document may get jammed. Defective RP Sensor.
400	XMT	B	T1 timer (35 ± 5 sec.) elapsed without detecting 300 bps signals.	Wrong number is dialed and START button is pressed. Telephone line is disconnected in the course of dialing. SC PCB (Modem) or NCU is defective. Receiver is defective.
401	XMT	B	DCN was returned from receiver when transmitter waits for CFR or FTT.	No available mailbox in the receiver. There is an incompatibility. (Ex.: Password Transmission)
402	XMT	B	DCN was returned from receiver when transmitter waits for NSF/DIS.	Receiver might work in non-CCITT mode only. There is incompatibility.
403	RCV (Polling)	B	Transmitter had no polling function.	"POLLED=ON" (polling XMT ready) is not set at transmitter. Document to be transmitted is not placed at transmitter.

Information Code Table (2/5)

Info. Code	Mode	Phase	Description of Problem	Cause
404	XMT	B	Transmitter sent NSS (or DCS) followed by TCF three times but receiver did not respond. (CFR or FTT is usually returned.)	Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective. Receiver disconnects line during first NSS (or DCS) transmitted.
405	XMT	B	Transmitter received FTT after it transmitted TCF at 2400bps. Received RTN after communicating at 2400bps.	Line quality is poor. (TCF is damaged due to line noise.) Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective.
406	RCV (Password Comm.)	B	XMT-Password mismatched. RCV-Password mismatched. Selective RCV incomplete.	XMT, RCV password does not match. Last 4-digit of TSI does not match with the Last 4- digit of ONE-TOUCH,Directory Telephone number.
407	XMT	D	Transmitter received no response after it transmitted post message such as EOP, MPS, EOM and so on. Or received DCN.	Receiver is defective. (No paper, paper jamming etc.) Receiver ceased receiving because of excessive error. (Line quality is poor.) SC PCB (Modem) or NCU is defective.
408	XMT	D	Transmitter received RTN after it transmitted EOP, MPS or EOM.	Receiver receives data with error. (Line quality is poor.) Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective.
409	XMT	D	Transmitter receives PIN after it transmitted a post message such as EOP, MPS, EOM etc.	Receiver receives data with error due to poor line quality, and receiving operator requests voice contact. Receiver is defective (Modem, NCU etc.). SC PCB(Modem) or NCU is defective.
411	RCV (polling)	B	Received DCN after transmitting NSC.	Transmitter is not ready for polling communication. Password does not match between transmitter and receiver.
412	RCV	B D	No response within 12 seconds in NSS/DCS/MPS wait state. (After transmitting FTT, MCF or CFR)	Transmitter is defective. SC PCB is defective.

Information Code Table (3/5)

Info. Code	Mode	Phase	Description of Problem	Cause
414	RCV (polling)	B	No response received after transmitting 3rd NSC.	Password does not match between transmitter and receiver. Transmitter is defective.(no document, document jam etc.)
415	RX (polling)	B	Remote side attempted to receive message from your machine in polling communication. "Inform remote side that your machine does not have the polling transmission feature."	There is incompatibility. Key Code does not match between transmitter and receiver.
416	RCV	D	Receiver did not detect post command such as EOP etc.	Transmitter is defective. Line quality is poor.(RTC signal is distorted due to line noise.) SC PCB (Modem) or NCU is defective.
417	RCV	D	Receiver returned RTN in response to post message.	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
418	RCV	D	Receiver transmitted PIN in response to PRI-Q from transmitter. (Transmitting operator requests voice contact.)	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
419	RCV	D	Receiver transmitted PIN in response to Post Message from transmitter. (Transmitting operator requests voice contact.)	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
420	RCV	B	T1 timer (35 sec.) elapsed without detecting 300 bps signal.	There is a wrong incoming call. (no facsimile communication.) Transmitter is defective. SC PCB (Modem) or NCU is defective.
421	RCV	B	T1 timer (35 sec.) elapsed without detecting 300 bps signal, after receiver receives EOM (End of Message).	Transmitter is defective. SC PCB (Modem) or NCU is defective. Line quality is poor.
422	XMT	B	Received invalid NSF/DIS, NSC/DIC.	Remote unit is defective. SC PCB (Modem) or NCU is defective.
428	RCV	B	Received DCN while waiting DCS.	Transmitter is defective or incompatible. Passwords mismatch.

Information Code Table (4/5)

Info. Code	Mode	Phase	Description of Problem	Cause
430	300 bps XMT	B	CS does not go ON within 30 seconds after RS is ON.	SC PCB (Modem) is defective.
431	RCV	B C	DCD does not go ON within 10 seconds after CD (Training Error) is ON.	Line quality is poor. Transmitter is defective. SC PCB (Modem) or NCU is defective.
432	XMT or Polling RCV	B	CD (response from Modem) did not turn OFF within 35 sec. in the initial routine (T1 timer period).	Line quality is poor. (Noise level is too high.) SC PCB (Modem) or NCU is defective.
433	300 bps XMT	D	Preamble was being sent more than 180 sec.	Recording at the remote unit is not finished.
434	XMT or RCV	B D	CD (response from Modem) did not turn OFF within 180 sec. after receiver detected FLAG signal.	Remote unit is defective. SC PCB (Modem) or NCU is defective.
435	RCV	C D	Timer over after sending 300 bps except EOM Reception in phase C, or time over after while waiting frame data detected high speed data.	Line quality is poor. Transmitter is defective. SC PCB (Modem) or NCU is defective.
436	RCV	B C	DCN received after transmitting FTT.	Transmitter is defective or incompatible. Line quality is poor.
446	RCV	C	DCN received while waiting Post Command.	Transmitter is defective.
447	RCV	D	Did not receive Post Command in 15 sec.	Remote unit is defective. Line quality is poor.
458	RCV	C	Did not receive CD in 10 sec.	Line quality is poor. SC PCB (Modem) or NCU is defective. Remote unit gets a document jammed.
459	RCV	C	Failed training in 10 sec.	Line quality is poor.(Training signal is distorted due to line noise.) SC PCB (Modem) or NCU is defective.
490	RCV	C	Sum of error line exceeded the limit (parameter 39) by 64 lines.	Line quality is poor. SC PCB (Modem) or NCU is defective.
492	RCV	C	Did not receive any data in Receiving Data Buffer in 10 sec.	Remote unit is defective. Line quality is poor. SC PCB (Modem) or NCU is defective.

Information Code Table (5/5)

Info. Code	Mode	Phase	Description of Problem	Cause
493	RCV	C	Did not detect the first EOL in 10 sec.	Remote unit gets a document jammed. Line quality is poor. SC PCB (Modem) or NCU is defective.
494	RCV	C	Interval between two EOLs was more than 10 sec. when receiver received message data.	Remote unit is defective. Line quality is poor. SC PCB (Modem) or NCU is defective.
495	RCV	C	Detected CD off.	Remote unit is defective. Line is disconnected. SC PCB (Modem) or NCU is defective.
630	XMT or RCV (Polling)	B	Redial count over.	Dial tone is not detected. Second dial tone is not detected. (depending on country.) Busy tone is detected. (depending on country.) T1 timer (35±5 sec.) elapsed without signal from receiver.

5.1 Test Mode Table

The following test modes are provided to help you to set various functions and test the condition of the machine.

Test Mode

No	Test Mode	Description
0	PRINT TEST PATTERN	Test Pattern Printout Printing mechanism and electrical circuit will be tested by printing a test pattern from the memory.
1	FUNCTION PARAMETER	Function Parameter Factory default values can be changed.
2	EDIT SYSTEM RAM	System RAM Edit Factory use only. When you need to change the RAM values please consult with MGCS Engineering department.
3	PRINT RAM DATA	RAM Data Printout Function Parameter list in Test Mode 1 and RAM data in Test Mode 2 will be printed.
4	CIS TEST	CIS Test Document scanning mechanism and electrical circuit will be tested by scanning a document and checking the output signal from the CIS.
5	XMT TEST TONE	Tonal Signal Generation Modem function will be tested by sending fax signals.
6	RAM INITIALIZE	RAM Initialization Reset or clear the RAM data.
7	XMT DTMF TONE	DTMF Signal Generation Modem functioning will be tested by sending DTMF signals.
8	NOT USED	
9	MEMORY TEST	To check the Memory.
10	LCD & LED	LCD and LED Test LCD and LED will be tested by lighting them.
11	ID SET	ID No. Setting ID No. can be entered by this mode. This test mode is only for the countries where service personnel is to enter the ID No.
12 ~ 13	NOT USED	
14	COPY MODE SET	Copy Mode Factory use only
15	CIS TRAINING	CIS Training This test mode must be done after CIS or SC PC Board was replaced.

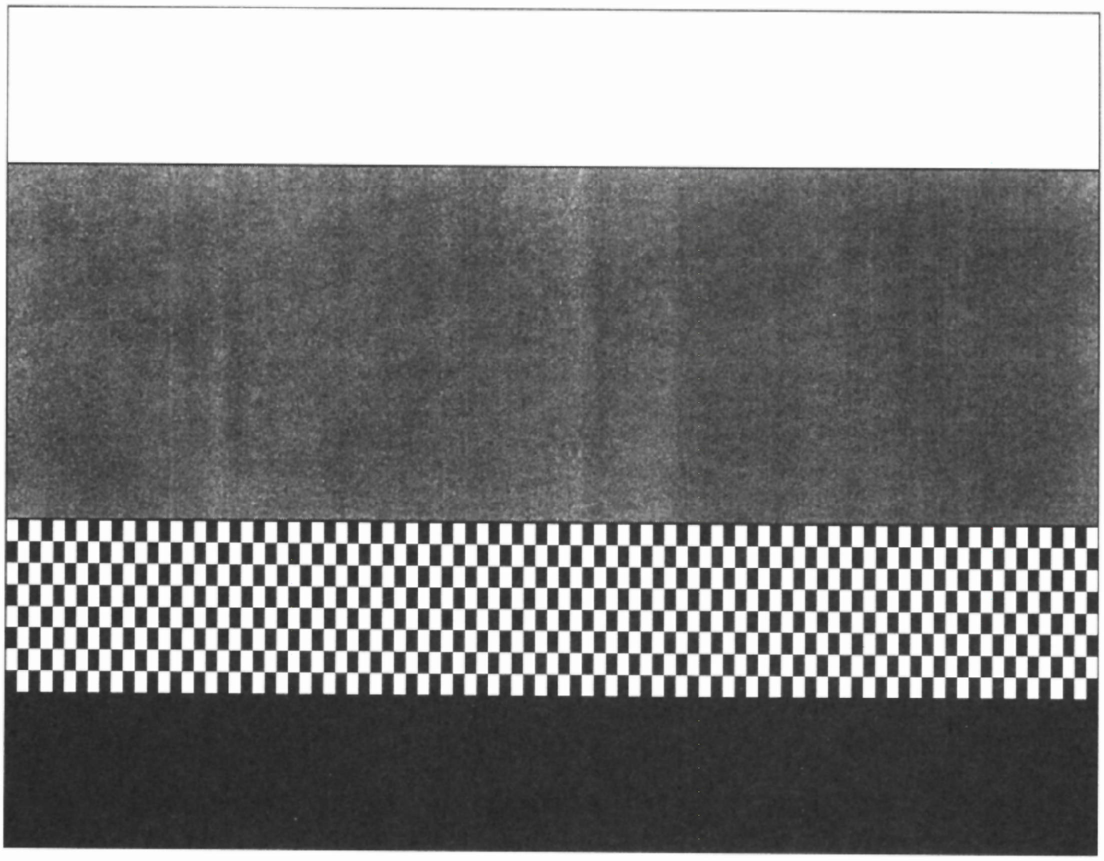
5.2 Test Mode 0 : Print a Test Pattern

A test pattern is printed by following the procedure below.

Test Mode 0 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or"**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**0**" and "**START/SET**".	`* PRINTING *`
5	After printing, the display returns to step 3 above.	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

Test Pattern



5.3 Test Mode 1: Function Parameter

Function Parameter settings are changed by following the procedure below.

Test Mode 1 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**1**", and "**START/SET**".	`PARAMETER NO.(< >)`
5	To select the parameter you want to change, enter a 2-digit code listed in the Function Parameter Table or scroll the display by pressing the "**<**" or "**>**" button . Example : Changing "**Redial Interval**" Press "**5**", "**2**", and "**START/SET**"	`REDIAL INT.:180S`
6	Pressing "**<**" or "**>**" button to select the desired setting.	`REDIAL INT.:120S`
7	Press "**START/SET**" and the new setting will be stored. Display will show the next parameter.	`REDIAL COUNT :02`
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

Note: Key function

"**START/SET**"	:The new setting value is stored in the machine.
"**>**"	: Scroll the Function Parameter No. and select the settings.
"**<**"	: Scroll the Function Parameter No. and select the settings.
"**CLEAR**"	: Back to Step 4 screen.

Function Parameter

No.	Parameter	Selections	Default Value	Description
1 ~ 2	NOT USED			
03	TX JAM CHECK	OFF ON	ON	Document length determined as a jam Off :Unlimited length On :Up to 1m
04	HEADER PRINT	IN NONE OUT	IN	Header printing position In :Inside of the original picture area None :No header Out :Outside of the original picture area
05 ~ 09	NOT USED			
10	RX JAM CHECK	OFF ON	ON	Maximum length of recording Off :Unlimited length On :Up to 2m
12 ~ 19	NOT USED			
20	TX ATT	-00 dBm -01 dBm ~ -15 dBm	-09 dbm (Note 1)	Transmission signal output level Highest :-00dBm Lowest :-15dBm
21	RX ATT	-33 dBm -38 dBm -43 dBm -48 dBm	-43 dbm (Note 2)	Receiving sensitivity Lowest :-33dBm Highest :-48dBm
22	TX START	9600 bps 7200 bps 4800 bps 2400 bps	9600 bps	Modem starting speed in transmission
23	RX START	9600 bps 7200 bps 4800 bps 2400 bps	9600 bps	Modem starting speed in reception
24	G3 RX EQL	0 dB 4 dB 8 dB 12 dB	4 dB	Cable equalizer in G3 reception mode

Note 1 : May vary depending on country

Note 2 : Germany is -48 dBm.

Function Parameter

No.	Parameter	Selections	Default Value	Description
25	G3 TX EQL	0 dB 4 dB 8 dB 12 dB	8 dB	Cable equalizer in G3 transmission mode
26	CED & 300	75 ms 500 ms 1000 ms	75 ms	Pause time between CED and NSF/CSI/DIS signal
27	COMM. STRT	Ist DIS 2nd DIS	1st DIS	Communication start up condition 1st DIS :Starting up with the first reception of the NSF and DIS. 2nd DIS :Starting up with the second reception of the NSF and DIS.
28	EP TONE	OFF NSTD-C NSTD-B & C ALL-C ALL-B & C	OFF	Echo protect tone on V.29 mode
29	TCF	100ms+1s 100ms+1.2s 200ms+1s 200ms+1.2s	200ms+1.2s	The TCF signal discard and checking time
30	NON-STANDARD	OFF ON	ON	NSF and NSS signal transmission Off :G3 standard mode On :G3 non-standard mode
31	CSI TX	OFF ON	ON	CSI signal transmission Off :Not transmitted On :Transmitted
32	TSI/CIG TX	OFF ON	ON	TSI and CIG signal transmission Off :Not transmitted On :Transmitted
34	S-PROTOCOL	OFF (B)	(B)	Short Protocol B Off :Not used (B) :Used
35	MWS	Off TYPE 1 TYPE 1 & 2	Type 1 & 2	Matsushita White Skip function Off :Not selected Type 1 :MWS Type 1 is selected. Type 1& 2 :MWS Type 1 & 2 are selected.
38	SELECT RCV	OFF ON	OFF	Selective Reception mode Compare the last 4 digits of the calling station's ID with the last 4 digits of each speed dialing station. Off :Not check On :Check

Fanction Parameter

No.	Parameter	Selections	Default Value	Description
39	ERR LINE CNT	32 lines 64 lines 96 lines 128 lines 160 lines 192 lines 244 lines 255 lines	64 lines	Error Line Counter When the machine detects the error lines equal to or more than the line number set, the machine will disconnect the line.
40	ERR LINE %	5 % 10 % 15 % 20 %	10 % (Note 1)	Error Line percentage When the machine detects the error lines equal to or more than the percentage set, the machine will disconnect the line.
41	ERR DETECT	CNT %	CNT (Note 2)	Error detection method CNT :Determined by the Error Line Counter. % :Determined by the Error Line percentage.
42	NOT USED			
43	DC LOOP	OFF ON	OFF	Checking DC Loop Off :Check DC Loop On :Not check
44	MONITOR	OFF ON	OFF	Monitoring the communication protocol through the speaker Off :Not selected On :Protocol will be heard through the speaker.
46	L.P.A TIME	0S 1S ~ 15S	5S	Period to generate alarm for the last page
47 ~ 48	NOT USED			
49	FLASH TIME	80 ms 100 ms ~ 500 ms	80 ms (Note 3)	Period of Flash on the line when Flash key is pressed.
50	BREAK RATIO	0% 1% ~ 98%	56%	Dial Pulse Break Ratio The number entered will be the Break Ratio.

Note 1 : The Netherlands is 5 %.

Note 2 : Germany and the Netherlands is %.

Note 3 : May vary depending on country.

Function Parameter

No.	Parameter	Selections	Default Value	Description
51	FLASH KEY	FLASH EARTH	FLASH	Flash and Earth key function Flash :Flash key function is selected. Earth :Earth key function is selected.
52	REDIAL INT.	30 s 60 s 120 s 180 s	180 sec.	Automatic Redial interval The machine will redial automatically with the interval set if the called station is busy.
53	REDIAL COUNT	0 1 time ~ 98 times	5 times (Note 1)	Automatic Redial number Automatic Redial will be tried by the number set up to 98 times.
55	BUSY TONE CK	OFF ON	ON (Note 1)	Busy Tone detection Off :Not check On :Check
56	DIAL TONE CK	OFF ON	ON (Note 2)	Dial Tone detection Off :Not check On :Check
57	PBX. DT. CK	OFF ON	OFF (Note 2)	PBX Dial Tone detection Off :Not check On :Check
58	VOICE SNS	-33 dBm -38 dBm -43 dBm -48 dBm	-43dBm (Note 3)	Receiving sensitivity for voice
60	RMT RX TMG	50 ms 80 ms 110 ms 140 ms 170 ms 200 ms	50 ms	Monitoring duration of DTMF in Remote Reception Monitoring duration of DTMF generated by an external telephone in Remote Reception.
61	RMT RX DIGIT	2 4	2	No. of digit for Remote Reception Code 2 :2 digits 4 :4 digits
62	RMT RX CODE	00 ~ 99, **, ##	**	Remote Reception Code Preset Remote Reception Code.

Note 1 : May vary depending on country

Note 2 : No function depending on country

Note 3 : Germany is -48 dBm.

Function Parameter

No.	Parameter	Selections	Default Value	Description
63	DTMF DETECT	OFF ON	ON	DTMF detection in Remote Reception Detect DTMF generated by the external telephone set while the calling and called parties are talking over the telephone. Off :DTMF will be ignored. On :DTMF will be detected.
64	RMT CONTROL	OFF ON	ON	Remote Control for built-in TAM and External TAM Off :Invalid Remote Control On :Remote Control for the built-in TAM
65	SILENT TIME	00 sec. 01 sec. ~ 15 sec.	6 sec.	Monitoring duration of the incoming voice. If External TAM mode is selected and no incoming voice is detected during the period set, the machine will start Fax reception process. Select the desired duration according to the External TAM specifications.
67	VOICE TX	-0 dBm -1 dBm ~ -15 dBm	-6 dBm	OGM output level
68 ~ 69	NOT USED			
71	REMOTE DIAG	OFF ON	ON	Remote Diagnostic Mode Off :Not accept the diagnosis On :Allow the center station to diagnose
72	DIAG CODE			Remote Diagnostic Password Enter 4 digit password
73 ~ 80	NOT USED			

Note : The default setting of parameters may vary depending on the country's specifications or regulations. Print the Function Parameter List to confirm the default settings. (See Test Mode 3 : RAM Data Printout.)

5.4 Test Mode 2 : System RAM Edit

RAM data can be changed by following the procedure below. However, please do not change any data in this Test Mode 2 unless you are informed the correct meaning of each RAM data.

Test Mode 2 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**2**" and "**START/SET**".	#000 [ ] =
5	Enter the RAM address you want to change.	
6	Enter the new RAM data and press "**START/SET**".	
7	Repeat the step 5 to 6 if you want to change any other RAM data.	
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.5 Test Mode 3 : RAM Data Printout

Function Parameter List and the settings in Test Mode 1 and RAM data in Test Mode 2 can be printed by following the procedure below.

Test Mode 3 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**3**" and "**START/SET**".	`* PRINTING *`
5	After printing, the display returns to step 3 above.	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

5.6 Test Mode 4 : CIS Test

Document scanning will be started by following procedure below.

Test Mode 4 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**4**" and "**START/SET**" to light up LED Array. Set document on the Document Guide and press "**START**". The machine will start scanning the document.	`CIS TEST`
5	Press "**STOP**" to stop the feeding of the document. The machine is still scanning the document. Check the output signal sent from CIS.	`CIS TEST`
6	Press "**START/SET**" to restart feeding the document.	`CIS TEST`
7	Repeat step 4 to 6 to check the signal if necessary.	`CIS TEST`
8	Press "**STOP**" twice and the display will return to standby.	`12-JUL 15:00`

5.7 Test Mode 5 :Tonal Signal Generation

The following signals listed in the Tonal signal table can be send from the machine by following the procedure below.

Test Mode 5 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "**#**", "**⁎**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**5**" and then press "**START/SET**".	`TONE = 9600 bps OFF`
5	Enter the signal No you want to generate. (see Tonal signal table below.) Example : **V27ter 4800bps** Enter "**3**", or scroll the display by pressing "<" or ">".	`TONE = 4800 bps OFF`
6	Press "**START/SET**" and the signal will be sent out.	`TONE = 4800 bps ON`
7	Press "**STOP**" to end the signal generation. To select another signal, repeat step 5.	`TONE = 4800 bps OFF`
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

Tonal Signal Table

Key Button	Signals	Display
1	V29 9600bps Data (mark : 1)	`TONE = 9600 bps OFF`
2	V29 7200bps Data (mark : 1)	`TONE = 7200 bps OFF`
3	V27ter 4800 bps Data (mark : 1)	`TONE = 4800 bps OFF`
4	V27ter 2400bps Data (mark : 1)	`TONE = 2400 bps OFF`
5	300bps Flag pattern	`TONE = 300 bps OFF`
6	1100Hz	`TONE = 1100 Hz OFF`
7	1300Hz	`TONE = 1300 Hz OFF`
8	1400Hz	`TONE = 1400 Hz OFF`
9	1650Hz	`TONE = 1650 Hz OFF`
0	2100Hz	`TONE = 2100 Hz OFF`
*	1850Hz	`TONE = 1850 Hz OFF`
#	LINE	`TONE = LINE OFF`

5.8 Test Mode 6 : RAM Initialization

RAM data is initialized or cleared by following the procedure below.

Test Mode 6 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**6**" and then press "**START/SET**".	`RAM INITIALIZE`
5	Press the dial number (2-digits) to select the initialize mode. (See below)	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

RAM Initialization

Key Button	Description
*****	Parameter initialize. RAM settings in Test Mode 1 and Test Mode 2 will be initialized to the default settings.
1, 0	Logo and ID settings will be cleared.
1, 3	One-Touch and Directory Nos. will be cleared.
1, 4	Passwords, Message Transfer Station Nos, Diagnostic Codes will be cleared.
9, 9	Shipment set Delete and initialize all RAM data. (See Note 1)

Note 1: This operation should be performed when the machine is installed.

5.9 Test Mode 7 : DTMF Signal Generation

DTMF (Dual Tone Multi-Frequency) signal is generated by following the procedure below.

Test Mode 7 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**7**" and "**START/SET**".	`[0] 941 & 1336 OFF`
5	Press a key button to select the DTMF signal. (See below) Example : 770 & 1209 Hz Press "**4**".	`[4] 770 & 1209 OFF`
6	Press "**START/SET**", then the DTMF signal is sent.	`[4] 770 & 1209 ON`
7	Press "**STOP**" and the DTMF signal will be stopped.	
8	To test other signals, repeat step 5 to 7.	
9	Press "**STOP**" twice and the display will return to standby.	`12-JUL 15:00`

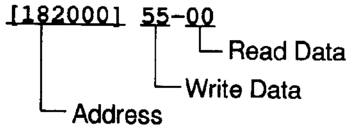
DTMF Signal

Key Button	DTMF	Display
1	697 & 1209 Hz	`[1] 697 & 1209 OFF`
2	697 & 1336 Hz	`[2] 697 & 1336 OFF`
3	697 & 1477 Hz	`[3] 697 & 1477 OFF`
4	770 & 1209 Hz	`[4] 770 & 1209 OFF`
5	770 & 1336 Hz	`[5] 770 & 1336 OFF`
6	770 & 1477 Hz	`[6] 770 & 1477 OFF`
7	852 & 1209 Hz	`[7] 852 & 1209 OFF`
8	852 & 1336 Hz	`[8] 852 & 1336 OFF`
9	852 & 1477 Hz	`[9] 852 & 1477 OFF`
0	941 & 1336 Hz	`[0] 941 & 1336 OFF`
*****	941 & 1209 Hz	`[*] 941 & 1209 OFF`
#	941 & 1477 Hz	`[#] 941 & 1477 OFF`

5.10 Test Mode 9 : Memory Test

This test mode is used to check RAM by writing and redialing.

Test Mode 9 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "0" "9" and "**START/SET**".	`MEMORY TEST`
5a	"**PASS**" displays when the writing and redialing of RAM data is finished.	`PASS`
5b	If any data error exsists, the display shows the segment and data.	
6	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.11 Test Mode 10 : LCD and LED Test

LCD and LED are lit by following the procedure below.

Test Mode 10 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "1", "0", and "**START/SET**".	`LCD & LED TEST`
5	Press "**START/SET**" and all digits on LCD and LEDs will be lit.	■■■■■■■■■■■■■■■■
6	Press "**START/SET**" to turn off LCD and LEDs	
7	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.12 Test Mode 11 : ID No Setting

This test mode is only for the countries where service personnel is to enter the ID number. If the operation of entering the ID number is not listed in the User's Guide attached, follow the procedure below to enter the ID number.

Test Mode 11 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**1**", and "**START/SET**".	`TEL:█`
5	Enter the telephone number. (Max. 20 digits)	`TEL:1234567█`
6	Press "**START/SET**".	`TEST MODE(< >)`
7	Press "**STOP**" to return to standby.	`12-JUL 15:00`

5.13 Test Mode 15 : CIS Training

In case of CIS, it is required to measure and store AGC data of shading and halftone into flash memory by this Test Mode due to no white level for scanning.

Test Mode 15 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**5**" and "**START/SET**".	`CIS TRAINING?`
5	Set blank document with white background.	`CIS TRAINING?`
6	Press "**START/SET**". The machine starts scanning the document.	`CIS TRAINING`
7	Press "**STOP**" to return to standby.	`12-JUL 15:00`

Note : This Test Mode 15 have to operate when CIS or SC PC Board has been replaced or F-ROM of SC PC Board has been initialized.

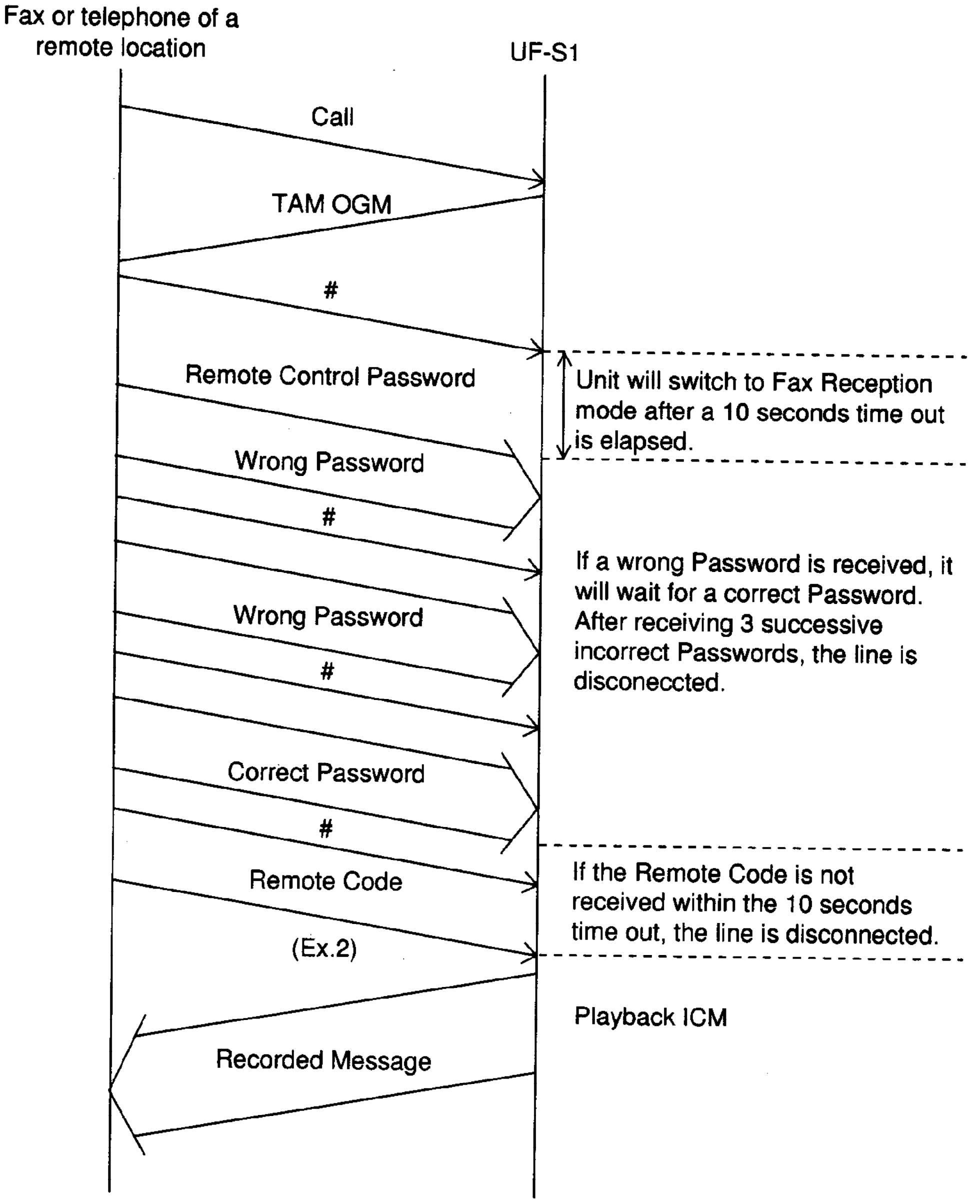
6.13 Remote Control Feature

(1)

This function permits the retrieval of recorded messages or fax documents by sending remote commands from the remote location to the UF-S1.
Note that this function will only work with touch tone dialing from either a fax machine or a telephone.

The procedure for the Remote Control feature is illustrated below and the Remote Control Codes are indicated on the next page.

(2) Basic Procedure


Fax or telephone of a remote location
UF-S1
Call
TAM OGM
#
Remote Control Password
Unit will switch to Fax Reception mode after a 10 seconds time out is elapsed.
Wrong Password
#
If a wrong Password is received, it will wait for a correct Password. After receiving 3 successive incorrect Passwords, the line is disconeccted.
Wrong Password
#
Correct Password
#
Remote Code
If the Remote Code is not received within the 10 seconds time out, the line is disconnected.
(Ex.2)
Playback ICM
Recorded Message

(3) Remote Control Code Table

Function Name	Command Code	Sub. Code	Function
Skip Message (I<<)	1	-	Skip to the beginning of the previous message.
Playback Message	2 #	-	Plays back from the first message.
Skip Message (>>I)	3	-	Skips to the beginning of the next message.
Erase Greeting Messages	41#	-	Erases the Greeting messages.
Record Greeting Message	42 #	-	Records a personal greeting message.
Erase All Messages	6#	-	Erases all the recorded messages.
OUT Mode	0 #	-	Switches to the OUT mode.
IN Mode	* #	-	Switches to the IN mode.

Chapter 7
Exploded View & Parts List

Country Code	Country
AA	Austria
AB	U.K.
AC	Canada
AD	Denmark
AE	Taiwan
AF	Finland
AG	Germany
AH	Holland
EE	Italy
AJ	Spain
AK	Hong Kong
AL	Australia
AM	Switzerland
AN	Norway
AP	Portugal
AQ	Ireland
AR	Belgium

Country Code	Country
AS	Sweden
AT	Turkey
AV	France
AW	New Zealand
YA	Central &South America (200V)
YC	Others (200V)
YJ	Checo, Slovakia
YL	Brazil (100V)
YM	Malaysia
YQ	Brazil (200V)
YS	Saudi Arabia
YT	Thailand
YV	China
YW	South Affica
YX	Singapore
YY	Central & South America (100V)

All parts for this product are supplied from Singapore factory.

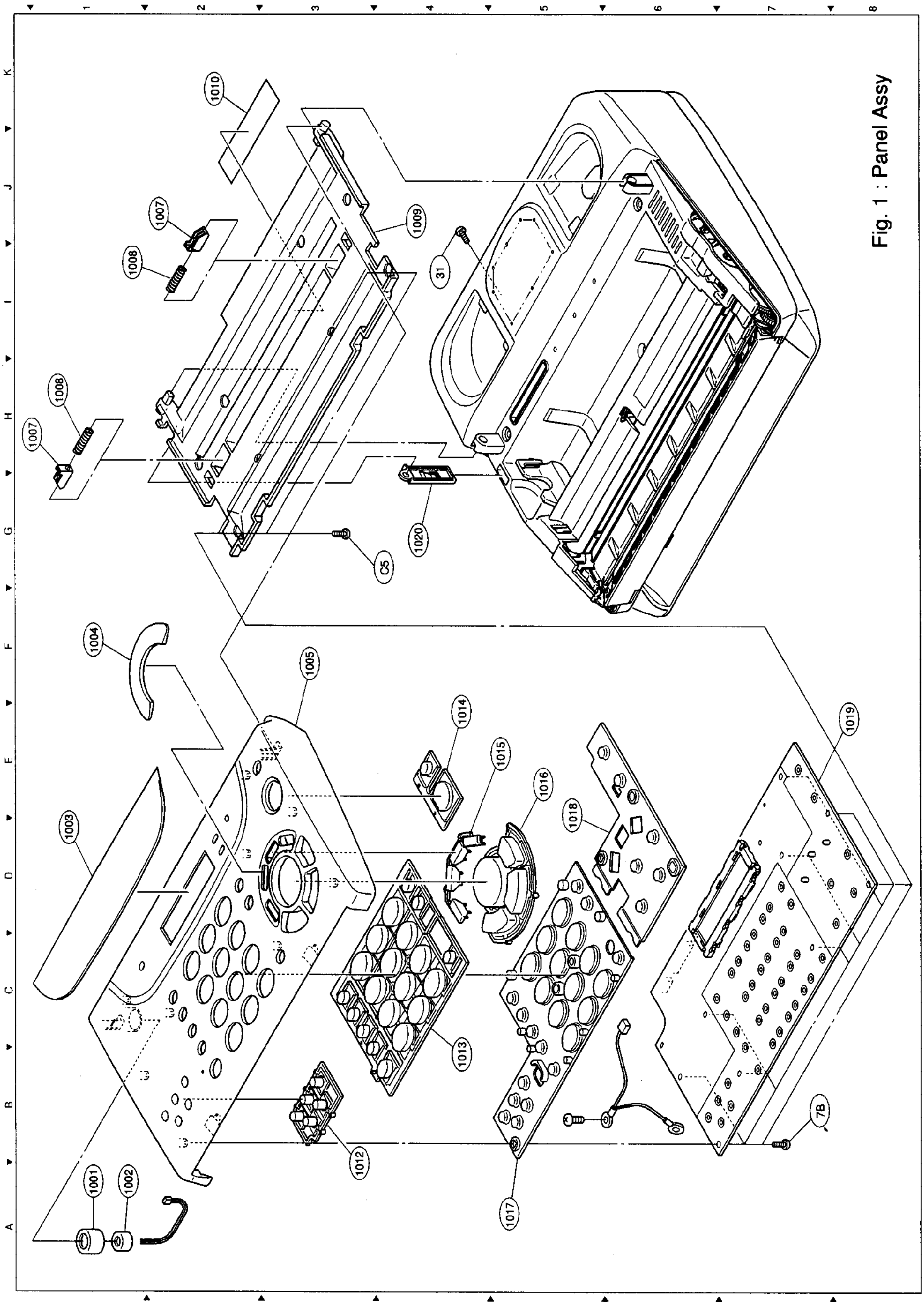

1
2
3
4
5
6
7
8
K
J
I
H
G
F
E
D
C
B
A
1010
1007
1008
1009
31
1008
1007
1020
C5
1004
1005
1014
1015
1016
1018
1003
1013
1017
1012
1001
1002
1019
7B

Fig. 1 : Panel Assy

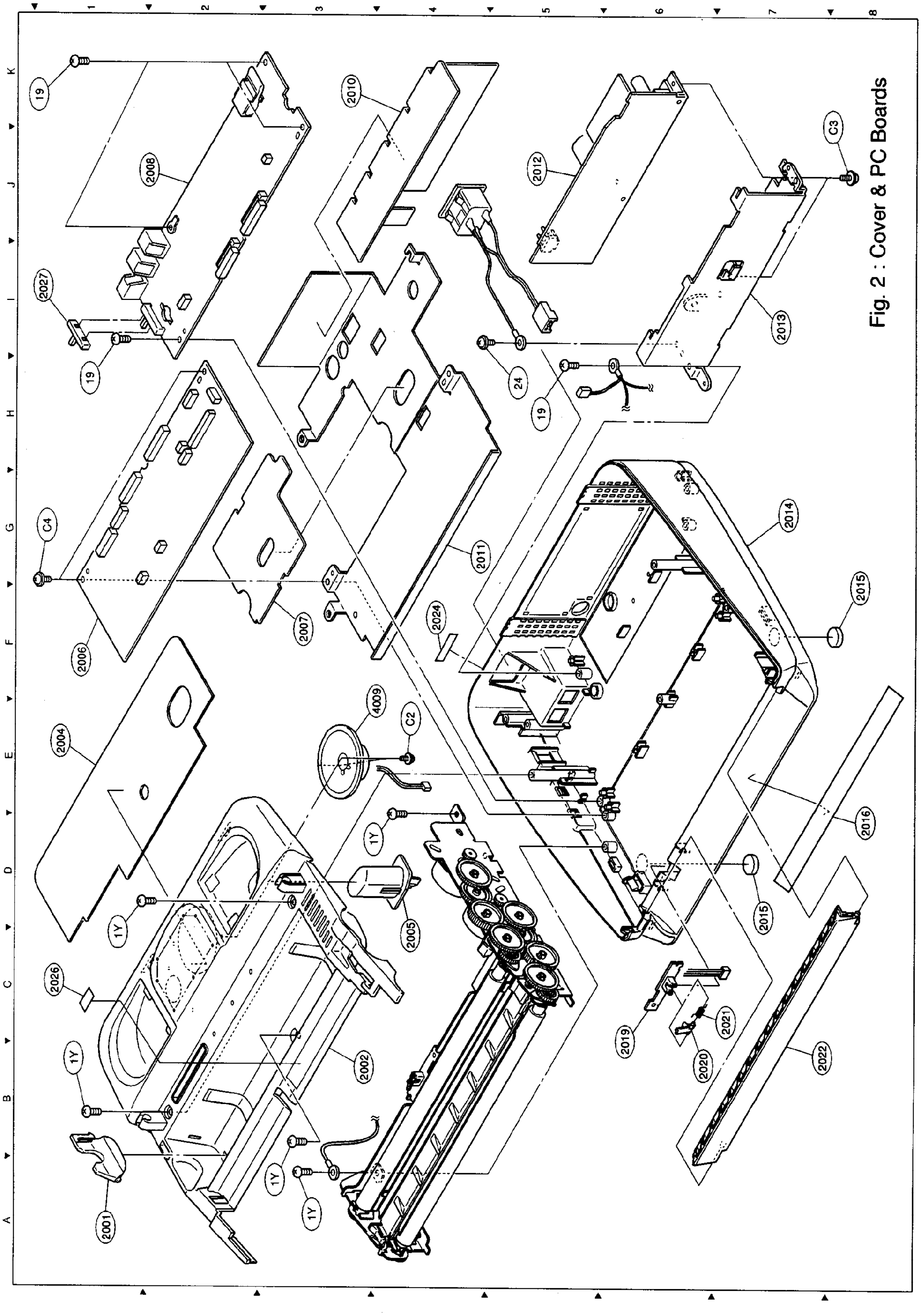

A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
6
7
8
19
2008
2027
19
2010
2012
C3
2013
24
19
2006
C4
2007
2011
2014
2024
2015
2004
4009
C2
1Y
2005
2016
2015
2026
1Y
2002
2019
2021
2020
2022
2001
1Y
1Y
1Y

Fig. 2 : Cover & PC Boards

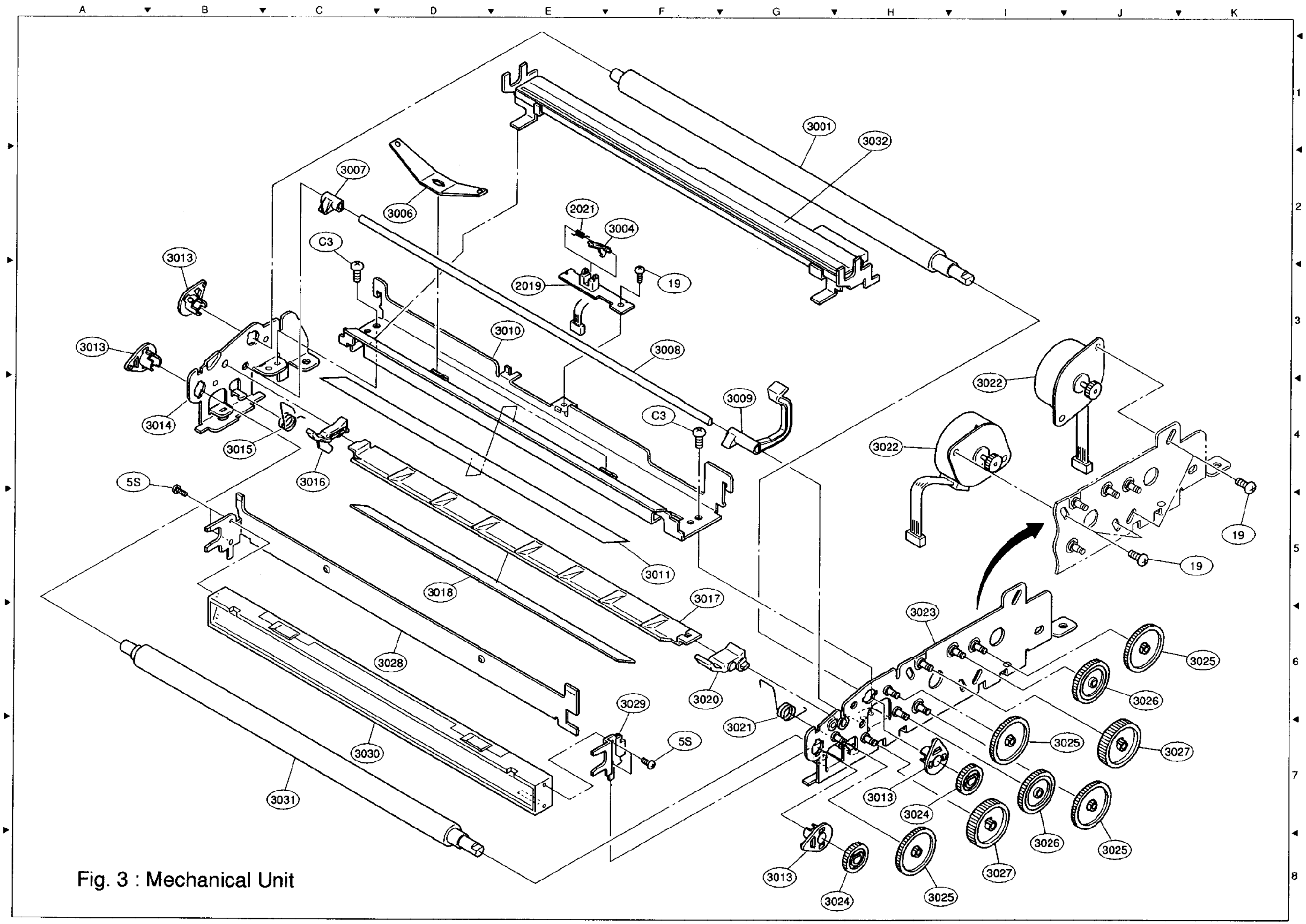

A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
6
7
8
3001
3032
3007
3006
2021
3004
C3
2019
19
3013
3010
3008
3013
3022
3009
3014
C3
3015
3022
3016
5S
19
19
3011
3018
3017
3023
3028
3025
3020
3026
3029
3021
5S
3025
3027
3030
3013
3024
3031
3026
3025
3027
3013
3025
3024

Fig. 3 : Mechanical Unit

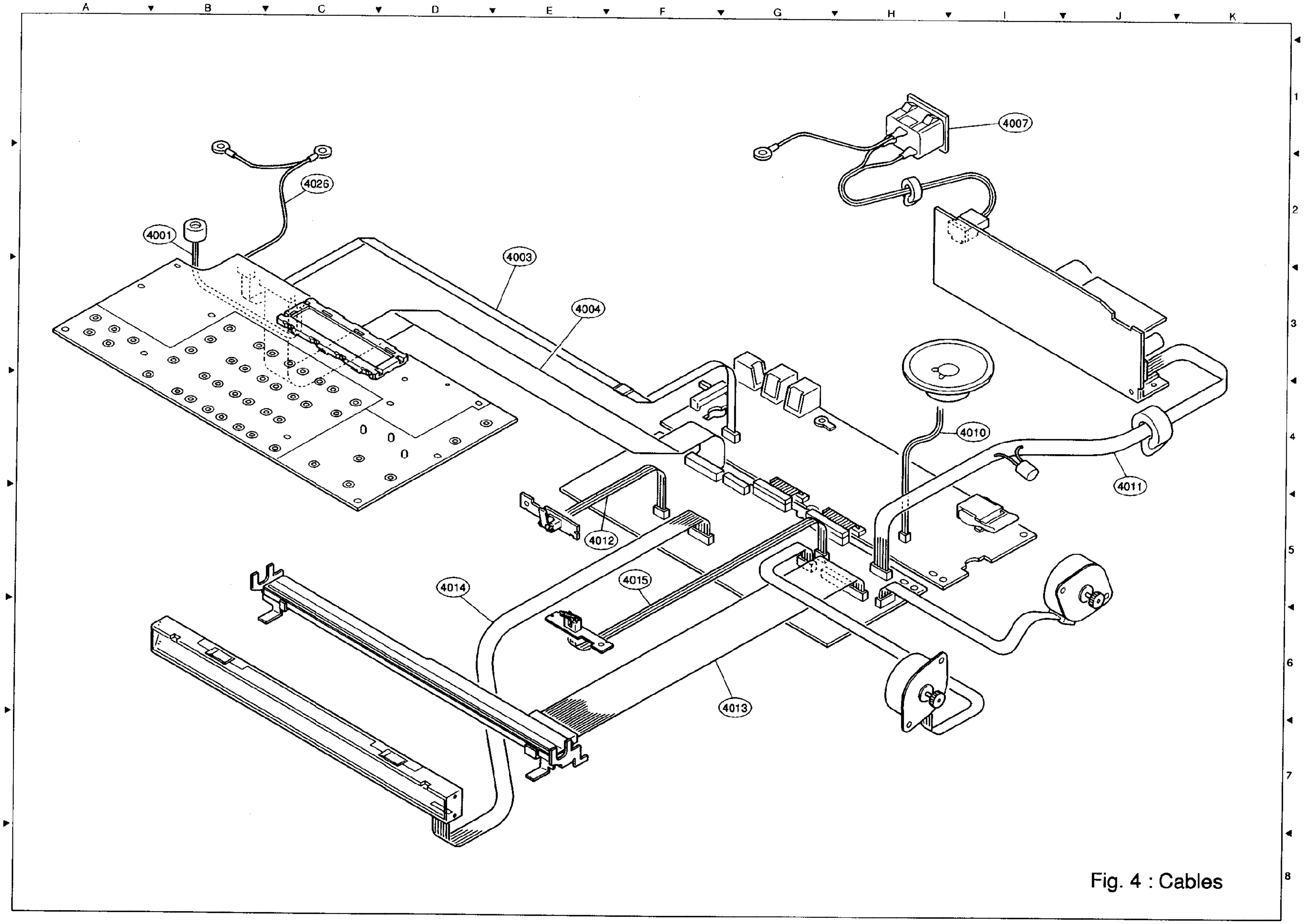

A
B
C
D
E
F
G
H
I
J
K

Fig. 4 : Cables

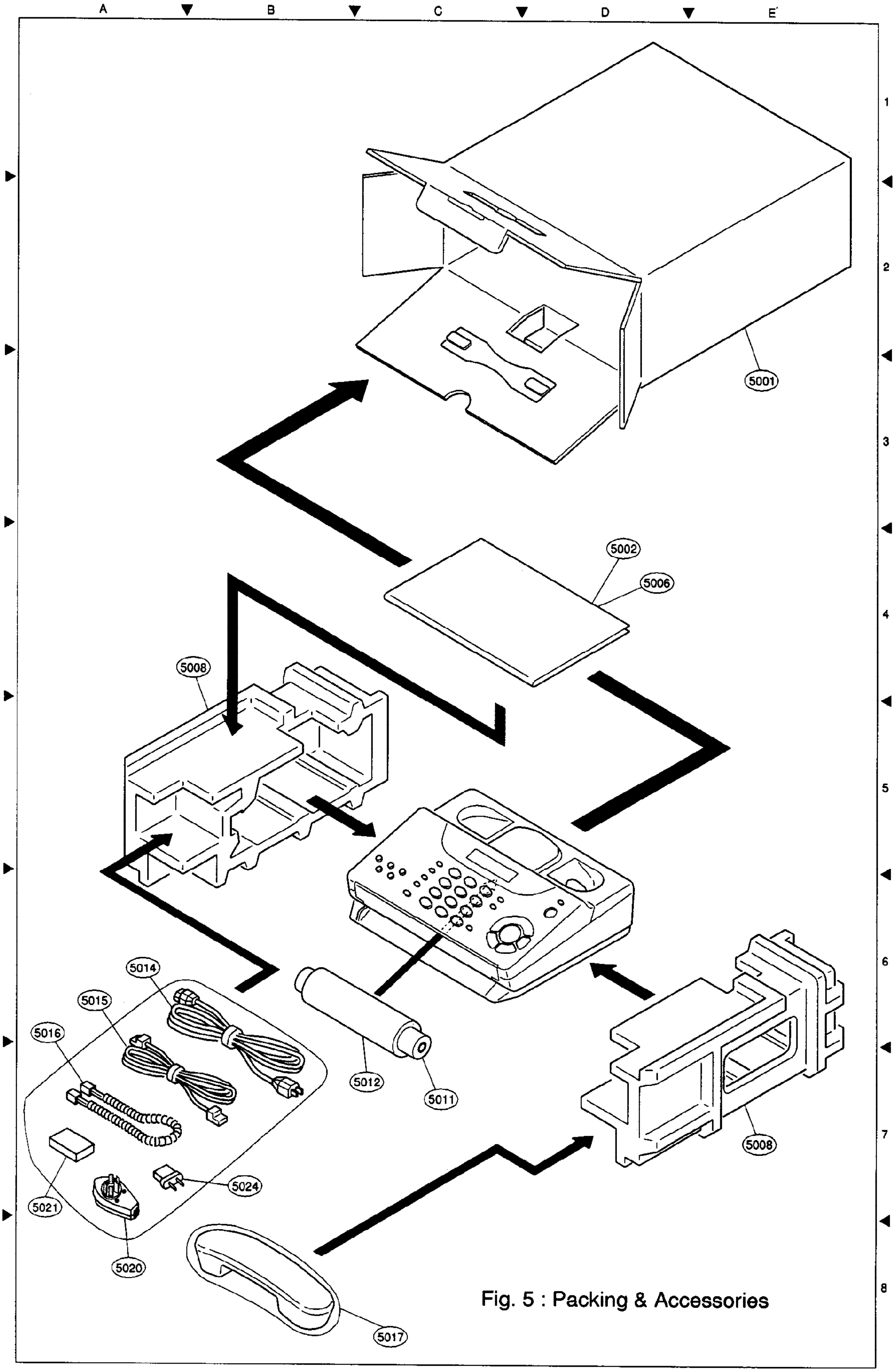

A
B
C
D
E
1
2
3
4
5
6
7
8
5001
5002
5006
5008
5014
5015
5016
5012
5011
5008
5021
5024
5020
5017

Fig. 5 : Packing & Accessories

7.1 Panel Assy (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
1001	DZJC000091	MIC HOLDER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1002	DZDS000003	MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1003	DZNA000162	LCD WINDOW		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	1D
1003	DZNA000170	LCD WINDOW		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000171	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1D
1003	DZNA000172	LCD WINDOW		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1D
1003	DZNA000173	LCD WINDOW		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1D
1004	DZNA000166	LED WINDOW		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	1F
1004	DZNA000178	LED WINDOW		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
1004	DZNA000179	LED WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
1004	DZNA000180	LED WINDOW		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
1004	DZNA000181	LED WINDOW		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
1005	DZMA000131	COVER,PANEL		-	-	-	1	1	1	-	1	-	-	1	1	1	1	-	1	1	3F
1005	DZMA000164	COVER,PANEL		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000165	COVER,PANEL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3F
1005	DZMA000166	COVER,PANEL		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3F
1005	DZMA000167	COVER,PANEL		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3F
1005	DZMA000170	COVER,PANEL		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000176	COVER,PANEL		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1007	DZMG000014	LATCH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 2J
1008	DZKN000075	SPRING, COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1I
1009	DZJA000161	CHASSIS,UPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
1010	DZNK000217	LABEL,PAPER SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2K
1012	DZKB000091	BUTTON C		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
1013	DZKB000089	BUTTON B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
1014	DZKB000094	BUTTON D		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	4E
1014	DZKB000114	BUTTON D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4E
1014	DZKB000115	BUTTON D		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4E
1014	DZKB000116	BUTTON D		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4E
1015	DZTE000010	LED LENS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1016	DZKB000086	BUTTON A		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	5E
1016	DZKB000105	BUTTON A		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	5E
1016	DZKB000106	BUTTON A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	5E
1016	DZKB000107	BUTTON A		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	5E
1016	DZKB000108	BUTTON A		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5E
1017	DZKM000005	SHEET,CLICK B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5A
1018	DZKM000004	SHEET,CLICK A		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1019	DZYC0580	PC BOARD W/COMPONENT,PNL	x	1	-	1	1	1	1	1	1	-	1	1	1	1	1	-	1	1	8E
1019	DZYC0581	PC BOARD W/COMPONENT,PNL	x	-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	8E
1020	DZJM000087	S STOPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
C5	XTB26+10J	SCREW		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4G
31	XSB4+10BN	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
7B	XTB26+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B

Panel Assy (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
1001	DZJC000091	MIC HOLDER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1002	DZDS000003	MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1003	DZNA000162	LCD WINDOW		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	1D
1003	DZNA000171	LCD WINDOW		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1D
1003	DZNA000174	LCD WINDOW		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000175	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1D
1004	DZNA000166	LED WINDOW		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	1F
1004	DZNA000179	LED WINDOW		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1F
1004	DZNA000182	LED WINDOW		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
1004	DZNA000183	LED WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
1005	DZMA000131	COVER,PANEL		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	3F
1005	DZMA000165	COVER,PANEL		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	3F
1005	DZMA000168	COVER,PANEL		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000169	COVER,PANEL		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3F
1007	DZMG000014	LATCH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 2J
1008	DZKN000075	SPRING, COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1I
1009	DZJA000161	CHASSIS,UPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
1010	DZNK000217	LABEL,PAPER SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2K
1012	DZKB000091	BUTTON C		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
1013	DZKB000089	BUTTON B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
1014	DZKB000094	BUTTON D		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	4E
1014	DZKB000114	BUTTON D		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	4E
1014	DZKB000117	BUTTON D		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4E
1014	DZKB000118	BUTTON D		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4E
1015	DZTE000010	LED LENS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1016	DZKB000086	BUTTON A		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	5E
1016	DZKB000106	BUTTON A		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	5E
1016	DZKB000109	BUTTON A		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5E
1016	DZKB000110	BUTTON A		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5E
1017	DZKM000005	SHEET,CLICK B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5A
1018	DZKM000004	SHEET,CLICK A		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1019	DZYC0580	PC BOARD W/COMPONENT,PNL	x	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	8E
1019	DZYC0581	PC BOARD W/COMPONENT,PNL	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	8E
1020	DZJM000087	S STOPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
31	XSB4+10BN	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
7B	XTB26+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B

7.2 Cover & PC Boards (1/4)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
2001	DZME000009	SEPERATOR		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
2002	DZMA000128	COVER,CRADLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
2004	DZHD000003	AL SHEET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1E
2005	DZKB000083	BUTTON,HOOK		1	-	1	1	1	1	1	1	-	1	1	1	1	1	-	1	1	4D
2005	DZKB000125	BUTTON,HOOK		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	4D
2006	DZYC0565AA	PC BOARD W/COMPONENT,SC	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AB	PC BOARD W/COMPONENT,SC	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AC	PC BOARD W/COMPONENT,SC	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AD	PC BOARD W/COMPONENT,SC	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AE	PC BOARD W/COMPONENT,SC	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AF	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AG	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AH	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565EE	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AJ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
2006	DZYC0565AK	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1F
2006	DZYC0565AL	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1F
2006	DZYC0565AM	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1F
2006	DZYC0565AN	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
2006	DZYC0565AP	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
2006	DZYC0565AQ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1F
2006	DZYC0565RAR	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1F
2007	DZHA000054	SHEET,EMI2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
2008	DZYC0568E	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568F	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568J	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2J
2008	DZYC0568L	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2J
2008	DZYC0568N	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2J
2008	DZYC0568Q	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2J
2008	DZYC0568R	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2J
2008	DZYC0568U	PC BOARD W/COMPONENT,NCU	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568H	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0591B	PC BOARD W/COMPONENT,NCU	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0591EE	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2J
2008	DZYC0569K	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2J
2008	DZYC0591P	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2J
2008	DZYC0570A	PC BOARD W/COMPONENT,NCU	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570D	PC BOARD W/COMPONENT,NCU	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570G	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570M	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2J
2010	DZJE000072	POW CAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3K
2011	DZJA000162	CHASSIS,EMI		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
2012	ETXDN014A3A	POWER SUPPLY UNIT 100V		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	5J
2012	ETXDN014E3A	POWER SUPPLY UNIT 200V		1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	5J
2013	DZJA000159	CHASSIS,POWER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7I

Cover & PC Boards (2/4)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
2001	DZME000009	SEPERATOR		1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	-	1A
2002	DZMA000128	COVER,CRADLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
2004	DZHD000003	AL SHEET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1E
2005	DZKB000083	BUTTON,HOOK		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4D
2005	DZKB000125	BUTTON,HOOK		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
2006	DZYC0565AS	PC BOARD W/COMPONENT,SC	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AT	PC BOARD W/COMPONENT,SC	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AV	PC BOARD W/COMPONENT,SC	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AW	PC BOARD W/COMPONENT,SC	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YA	PC BOARD W/COMPONENT,SC	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YC	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YJ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YL	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YM	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
2006	DZYC0565YQ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1F
2006	DZYC0565YS	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1F
2006	DZYC0565YT	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1F
2006	DZYC0565YW	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
2006	DZYC0565YX	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1F
2006	DZYC0565YY	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1F
2006	DZYC0565RYV	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
2007	DZHA000054	SHEET,EMI2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
2008	DZYC0568S	PC BOARD W/COMPONENT,NCU	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568T	PC BOARD W/COMPONENT,NCU	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568YW	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2J
2008	DZYC0568YX	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2J
2008	DZYC0568YC	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	2J
2008	DZYC0568YL	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2J
2008	DZYC0568YM	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2J
2008	DZYC0568YY	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2J
2008	DZYC0591W	PC BOARD W/COMPONENT,NCU	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0569YV	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2J
2008	DZYC0570YJ	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0571	PC BOARD W/COMPONENT,NCU	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2010	DZJE000072	POW CAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3K
2011	DZJA000162	CHASSIS,EMI		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
2012	ETXDN014A3A	POWER SUPPLY UNIT 100V		-	-	-	-	-	-	-	1	-		-	-	-	-	-	1	5J
2012	ETXDN014E3A	POWER SUPPLY UNIT 200V		1	1	1	1	1	1	1		1	1	1	1	1	1	1	-	5J
2013	DZJA000159	CHASSIS,POWER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7I
2014	DZMA000126	COVER,BASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
2015	DZMM000007	RUBBER FOOT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2016	DZNK000236	LABEL,GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2019	DZYC0584	PC BOARD W/COMPONENT,SEN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6C
2020	DZHC000030	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6B
2021	DZKN000074	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C

Cover & PC Boards (3/4)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
2014	DZMA000126	COVER,BASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
2015	DZMM000007	RUBBER FOOT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2016	DZNK000236	LABEL,GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2019	DZYC0584	PC BOARD W/COMPONENT,SEN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6C
2020	DZHC000030	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6B
2021	DZKN000074	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
2022	DZMC000077	COVER,FRONT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B
2024	DZNK000260	LABEL,ACIN		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4F
2024	DZNK000261	LABEL,ACIN		1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4F
2026	DZNK000255	LABEL,WARNING,HIGH TEMP		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1C
2027	DZKA000001	KNOB,SLIDE		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1I
4009	DZDR000011	SPEAKER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1K, 5H
24	XYN4+F8	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5H
1Y	XTB3+10J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1B, 1C, 3A, 3D
C2	DZPB000020	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8K
C4	DZPD000003	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G

Cover & PC Boards (4/4)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
2022	DZMC000077	COVER,FRONT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B
2024	DZNK000260	LABEL,ACIN		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	4F
2024	DZNK000261	LABEL,ACIN		1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	-	4F
2027	DZKA000001	KNOB,SLIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1I
4009	DZDR000011	SPEAKER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1K, 5H
24	XYN4+F8	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5H
1Y	XTB3+10J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1B, 1C, 3A, 3D
C2	DZPB000020	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8K
C4	DZPD000003	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G

7.3 Mechanical Unit (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
3001	DZLA000085	ROLLER RECORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G
3004	DZHC000031	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2F
3006	DZKP000079	SPRING,PLATE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2D
3007	DZKJ000003	CAM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C
3008	DZKG000032	SHAFT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
3009	DZKL000009	LEVER,RELEASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
3010	DZJA000158	CHASSIS,HEADSP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
3011	DZNK000241	PAPER GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
3013	DZLM000046	BUSH,P6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B, 3A, 7H, 8G
3014	DZJA000156	BRACKET L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3015	DZKQ000002	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3016	DZKL000010	GUIDE LEVER L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
3017	DZJF000169	CHASSIS, PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3020	DZKL000011	GUIDE LEVER R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3021	DZKQ000003	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
3022	35S1N15DCNX	STEPPING MOTOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4H, 4I
3023	DZJA000157	BRACKET R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6H
3024	DZLF000136	D GEAR,B29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7H, 8H
3025	DZLF000133	F GEAR,B49B19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6K, 7J, 8H, 8J
3026	DZLF000134	F GEAR,B44		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6J, 8I
3027	DZLF000135	F GEAR,B47		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7J, 8I
3028	DZJC000083	CIS PLATE L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6D
3029	DZJC000084	CIS PLATE R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3030	DZAL000038	CIS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3031	DZLA000084	ROLLER,SCANNER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3032	DZHT000016	ASSY,THERMAL HEAD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F, 5K
5S	XTB2+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4A, 7F
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C, 4F

Mechanical Unit (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
3001	DZLA000085	ROLLER RECORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G
3004	DZHC000031	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2F
3006	DZKP000079	SPRING,PLATE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2D
3007	DZKJ000003	CAM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C
3008	DZKG000032	SHAFT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
3009	DZKL000009	LEVER,RELEASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
3010	DZJA000158	CHASSIS,HEADSP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
3011	DZNK000241	PAPER GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
3013	DZLM000046	BUSH,P6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B, 3A, 7H, 8G
3014	DZJA000156	BRACKET L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3015	DZKQ000002	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3016	DZKL000010	GUIDE LEVER L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
3017	DZJF000169	CHASSIS, PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3020	DZKL000011	GUIDE LEVER R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3021	DZKQ000003	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
3022	35S1N15DCNX	STEPPING MOTOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4H, 4I
3023	DZJA000157	BRACKET R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6H
3024	DZLF000136	D GEAR,B29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7H, 8H
3025	DZLF000133	F GEAR,B49B19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6K, 7J, 8H, 8J
3026	DZLF000134	F GEAR,B44		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6J, 8I
3027	DZLF000135	F GEAR,B47		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7J, 8I
3028	DZJC000083	CIS PLATE L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6D
3029	DZJC000084	CIS PLATE R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3030	DZAL000038	CIS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3031	DZLA000084	ROLLER,SCANNER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3032	DZHT000016	ASSY,THERMAL HEAD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F, 5K
5S	XTB2+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4A, 7F
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C, 4F

7.4 Cables (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
4001	DZFP000176	CABLE,MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B
4003	DZFP000167	FFC,PNL1		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	3E
4004	DZFP000168	FFC,PNL2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
4007	DZFA000015	ASSY,INLET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1I
4010	DZFP000171	CABLE,SP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
4011	DZFP000189	ASSY,FS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
4012	DZFP000174	CABLE,RPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4013	DZFP000166	CABLE,TH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6G
4014	DZFP000165	CABLE,IMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5D
4015	DZFP000173	CABLE,SPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4026	DZFP000190	CABLE,FG4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C

Cables (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
4001	DZFP000176	CABLE,MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B
4003	DZFP000167	FFC,PNL1		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3E
4004	DZFP000168	FFC,PNL2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
4007	DZFA000015	ASSY,INLET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1I
4010	DZFP000171	CABLE,SP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
4011	DZFP000189	ASSY,FS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
4012	DZFP000174	CABLE,RPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4013	DZFP000166	CABLE,TH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6G
4014	DZFP000165	CABLE,IMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5D
4015	DZFP000173	CABLE,SPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4026	DZFP000190	CABLE,FG4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C

7.5 Packing & Accessories (1/3)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
5001	DZRB000058	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
5001	DZRB000059	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
5002	DZSD000133	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000134	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000137	USER'S GUIDE		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4D
5002	DZSD000138	USER'S GUIDE		1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	4D
5002	DZSD000140	USER'S GUIDE		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4D
5002	DZSD000141	USER'S GUIDE		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4D
5002	DZSD000142	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4D
5002	DZSD000143	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	4D
5002	DZSD000144	USER'S GUIDE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	4D
5002	DZSD000145	USER'S GUIDE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000146	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4D
5002	DZSD000148	USER'S GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000154	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
5006	DZSD000156	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000157	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000160	QUICK REFERENCE GUIDE		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4D
5006	DZSD000161	QUICK REFERENCE GUIDE		1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	4D
5006	DZSD000163	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4D
5006	DZSD000164	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4D
5006	DZSD000165	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4D
5006	DZSD000166	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	4D
5006	DZSD000167	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	4D
5006	DZSD000168	QUICK REFERENCE GUIDE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000169	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4D
5006	DZSD000171	QUICK REFERENCE GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000174	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
5008	DZRH000077	CUSHION SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B, 7E
5011	THM-493E	RECORDING PAPER (LETTER)		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7C
5011	THM-393E	RECORDING PAPER (A4)		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
5012	DZRH000078	CUSHION,PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
5014	DZFM000003	PS CORD		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
5014	DZFM000027	PS CORD		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
5014	DZFM000004	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000012	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000028	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000008	PS CORD		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	6A
5014	DZFM000029	PS CORD		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	6A
5014	DZFM000011	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6A
5014	DZFM000030	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6A
5014	DZFM000009	PS CORD		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5014	DZFM000031	PS CORD		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5014	DZFM000010	PS CORD		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A
5014	DZFM000032	PS CORD		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A

Packing & Accessories (2/3)

o.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
	DZRB000058	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
	DZRB000059	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	3E
	DZRB000061	CARTON BOX		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3E
	DZSD000136	USER'S GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4D
	DZSD000139	USER'S GUIDE		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000146	USER'S GUIDE		-	-	-	1	-	1	1	-	1	-	-	1	-	-	1	-	4D
	DZSD000147	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
	DZSD000155	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000159	QUICK REFERENCE GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4D
	DZSD000162	QUICK REFERENCE GUIDE		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000169	QUICK REFERENCE GUIDE		-	-	-	1	-	1	1	-	1	-	-	1	-	-	1	-	4D
	DZSD000170	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
	DZSD000175	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZRH000077	CUSHION SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B, 7E
	THM-493E	RECORDING PAPER (LETTER)		-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	1	7C
	THM-393E	RECORDING PAPER (A4)		1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	-	7C
	DZRH000078	CUSHION,PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
	DZFM000003	PS CORD		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	6A
	DZFM000027	PS CORD		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	6A
	DZFM000004	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000012	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000028	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000008	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	6A
	DZFM000029	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	6A
	DZFM000009	PS CORD		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFM000031	PS CORD		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFM000007	PS CORD		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFM000033	PS CORD		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFN000050	LINE CABLE		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZFN000043	LINE CABLE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFN000051	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFN000056	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZFN000057	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZDU000017	HANDSET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8C
	DZFB000004	PTT PLUG		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
	DZFB000012	PTT PLUG		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
	DZQE000003	ROSETT		-	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	7A
	DZQE000002	ADAPTER		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	7B

Packing & Accessories (3/3)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
5015	DZFN000050	LINE CABLE		-	-	1	1	1	1	-	-	1	1	-	-	-	-	1	1	1	6A
5015	DZFN000043	LINE CABLE		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	6A
5015	DZFN000030	LINE CABLE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	6A
5015	DZFN000017	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5015	DZFN000025	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A
5015	DZFN000028	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6A
5016	DZFN000056	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
5016	DZFN000057	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
5017	DZDU000017	HANDSET		1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	8C
5017	DZDU000018	HANDSET		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8C
5020	DZFB000006	PTT PLUG		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
5020	DZFB000007	PTT PLUG		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	8A
5020	DZFB000008	PTT PLUG		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	8A
5020	DZFB000009	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000002	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000010	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000011	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8A

ORDER NO. MGCS950701C0
(Standard Version)

Service Manual

Facsimile

UF-S1
UF-A8100

UF-S1 AND UF-V60 SPECIFICATION COMPARISION TABLE\СРАВНИТЕЛЬНАЯ ТАБЛИЦА ТЕХНИЧЕСКИХ ХАРАКТЕРИСТИК ФАКСОВ UF-S1 И UF-V60

DISASSEMBLY INSTRUCTIONS\ПОРЯДОК РАЗБОРКИ

MAINTENANCE, ADJUSTMENTS AND CHECK POINTS\РЕГУЛИРОВКИ, НАСТРОЙКИ, ТОЧКИ ПРОВЕРОК

- **Required tools\необходимые инструменты**
- **Periodic maintenance points\точки периодического обслуживания**
- **Periodic maintenance check list\список периодических проверок**
- **Program ROM\постоянное запоминающее устройство (ПЗУ)**
- **Schematic diagram\упрощенная схема**
- **SC PC board\основная плата**
- **Power supply PC board\плата питания**
- **NCU PC board\плата сопряжения с телефонной линией**

INFORMATION CODE TABLE\ИНФОРМАЦИОННЫЕ КОДЫ

TEST MODES\ТЕСТОВЫЕ РЕЖИМЫ

- **Test mode table\таблица тестовых режимов**
- **Print a test pattern\тестовая распечатка**
- **Function parameter\функциональные параметры**
- **System RAM edit\редактирование содержания ОЗУ**
- **RAM data printout\распечатка содержания ОЗУ**
- **CIS test\проверка сканера**
- **Tonal signal generation\тест генератора несущей**
- **RAM initialisation\инициализация ОЗУ**
- **DTMF signal generation\тест генератора тональных сигналов**
- **Memory test\проверка памяти**
- **LCD and LED test\тест индикаторов и дисплея**
- **ID no setting\установка идентификатора**
- **CIS training\инициализация сканера**

REMOTE CONTROL FEATURE\ФУНКЦИИ ДИСТАНЦИОННОГО УПРАВЛЕНИЯ

EXPLODED VIEW & REPLACEMENT PARTS LIST\СБОРОЧНЫЕ ЧЕРТЕЖИ И СПИСОК ЗАПАСНЫХ ЧАСТЕЙ

Panasonic

1.3 UF-S1 and UF-V60 Specification Comparison Table

Refer to the comparison table below for the different points between UF-S1 and UF-V60 specifications.

Specification Comparison

Items	UF-S1	UF-V60	Remarks
1. MAIN SPECIFICATION			
Compatibility	G3	←	
Modem Speed (bps)	9600/7200/4800/2400	←	
Coding Scheme	MH	MMR/MR/MH	
MWS	Yes	←	
ECM	No	Yes	ITU-T (CCITT)
Short Protocol	Yes(B)	←	
Transmission Speed	Approx. 15 sec	Approx. 10 sec	
2. SCANNER MECHANISM			
ADF Capacity	No	10 sheets	
Document Size (Max.)	216 mm x 1000 mm	257 mm x 800 mm	
Document Size (Min.)	55 mm x 90 mm	148 mm x 105 mm (A6)	
Effective Document Width	205 mm	208 mm	
Scanning Device	CIS	CCD	
Scanning Resolution (line/mm)	8 x 3.85 / 7.7	8 x 3.85 / 7.7 / 15.4	
Scanning Speed (A4, STD)	12 sec	←	
3. PRINTER MECHANISM			
Recording Method	Thermal	←	
Recording Paper Width	A4	←	Letter size for North, C&S America
Recording Paper Length	15 m	30 m	1/2 inch core
Effecting Printing Width	205 mm	←	←
Automatic Paper Cutter	No	Yes	←
4. MEMORY			
Voice / Document Memory	Yes 12 min. or 25 pages (0.5MB)	Yes 9 min. or 50 pages (1MB)	Flash Memory
5. COPY QUALITY			
Half Tone	64 levels	←	
Super Fine (8 x 15.4 lines/mm)	No	Yes	ITU-T
Original Contrast Selection	No	Yes	3 levels

Specification Comparison

Items	UF-S1	UF-V60	Remarks
6. DIALING / TELEPHONE FEATURE			
One-Touch Auto Dialing	5	←	
ABBR. Auto Dialing	No	15	
Auto Dialing Location	15 (Max.)	20 (Max.)	
Digits of Telephone No.	36 (Max.)	←	
Digits of Station Name	15 (Max.)	←	
Directory Dialing	10	←	Sequential ABBR. Dialing Search (UF-V60)
Full Number Dialing (Buffered Dialing)	Yes (1)	Yes (3)	
Direct Dialing (Monitor Dialing)	Yes	←	←
Automatic Redialing	Yes	←	Standard : 2 times with 3 minute interval
Manual Redialing	Yes	←	
Chain Dialing	Yes	←	Only for Monitor Dialing, Off-Hook Dialing
Line Monitor Speaker	Yes	←	
Mercury Key	Yes	←	Only for U.K.
Dialing with Power Failure	Yes	←	Only for U.K., Italy, China
Hold Key	Yes	←	
Pulse/Tone Dialing	Yes	←	Slide Switch
Pulse to Tone Change	Yes	←	* key
Flash Key	Yes	←	
Telephone Handset	Yes (New Type)	Yes	
7. RECEIVE CONTROL			
Fax/Tel Autoswitch	Yes	←	←
Voice Answer for Fax/Tel Autoswitch	Yes (User Recording)	←	4 sec + 8 sec (OGM1 (First OGM) + OGM2 (Last OGM))
Non-Ringing Reception	Yes (Fax Unit)	←	Fax/Tel, Fax/TAM
Ring Counter	1 - 9	←	
External TEL Communication	No	Yes	
External TAM Interface	No	←	
Remote Reception	Yes (only Parallel TEL)	Yes	Depending on country
User-Friendly Reception	Yes	←	CNG Detection during telephone conversation

Specification Comparison

Items	UF-S1	UF-V60	Remarks
7. RECEIVE CONTROL			
Distinctive Ring Detection	Yes	←	Hong Kong, Australia, Singapore
Reception Mode Switching Timer	No	Yes	Out/In or Ringing/No Ringing (Fax/Tel)
8. TRANSMISSION FEATURE			
Memory Transmission	No	Yes (Max. 50 pages)	Page Re-transmission
Multi-Station Transmission	No	Yes (Max. 23 stations)	
Deferred Transmission	No	Yes (ADF/Memory)	
Reception Notice	No	Yes	Transmission of formatted message
9. RECEPTION FEATURE			
Substitute Memory Reception	Yes	←	
Receive into Memory	No	Yes	
10. POLLING FEATURE			
Polling Reception	Yes	←	ITU-T Standard
11. CONVENIENCE			
Panel Display	16 chara. x 1	20 chara. x 1	Alphanumeric
Help Function	Yes	←	
Voice Contact	No	Yes	
12. COPY FEATURE			
Single Copy	Yes	←	
Enlarge Copy	Yes	No	
Multiple Copy	No	Yes	
13. CERTAINTY			
Verification Stamp	No	Yes (Face side)	
Header/Total Page Print	Yes (Only Header)	←	
Transaction Journal	No	Yes	
Communication Report	Yes	←	

Specification Comparison

Items	UF-S1	UF-V60	Remark
14. LIST PRINTOUT			
Speed Dial List	Yes	←	S1:One-Touch/Directory Search V60:One-Touch/ABBR.
Fax Parameter List	Yes	←	
Help Print	Yes	←	Help Function
15. IDENTIFICATION			
Logo	Yes (Max. 25)	←	
Character ID	Yes	←	First 16 characters of Logo is used
Numeric ID	Yes (20)	←	
16. SPECIAL COMMUNICATION FEATURE			
Selective Reception	Yes	←	
17 TAM FEATURE			
Built-In TAM	Yes (12 min.)	Yes (9 min.)	
ICM Recording Counter	Yes (Max. 99 calls)	←	30 , 60 or 90 selectable
OGM	Max. 30 seconds	←	Max. 30 sec (User Recordable)
Message Transfer	Yes	←	
Toll Saver	Yes	←	2/5 ringing
Time Stamp	Yes (DD/HH/MM)	←	On the LCD
Memory/2-Way Recording	Yes	←	
18. REMOTE CONTROLLED FEATURE			
In/Out Switching	Yes	←	
ICM Playback/Skip/Erase	Yes	←	
Memory Received Document Retrieval	No	Yes	
Receive into Memory Mode Setting	No	Yes	
Fax Bulletin Retrieval/Erasing/Storage	No	Yes	
Message Transfer Enable/Disable	No	Yes	
Fax Transfer Enable/Disable	No	Yes	
Destination Tel No. Change for Message Transfer	No	Yes	

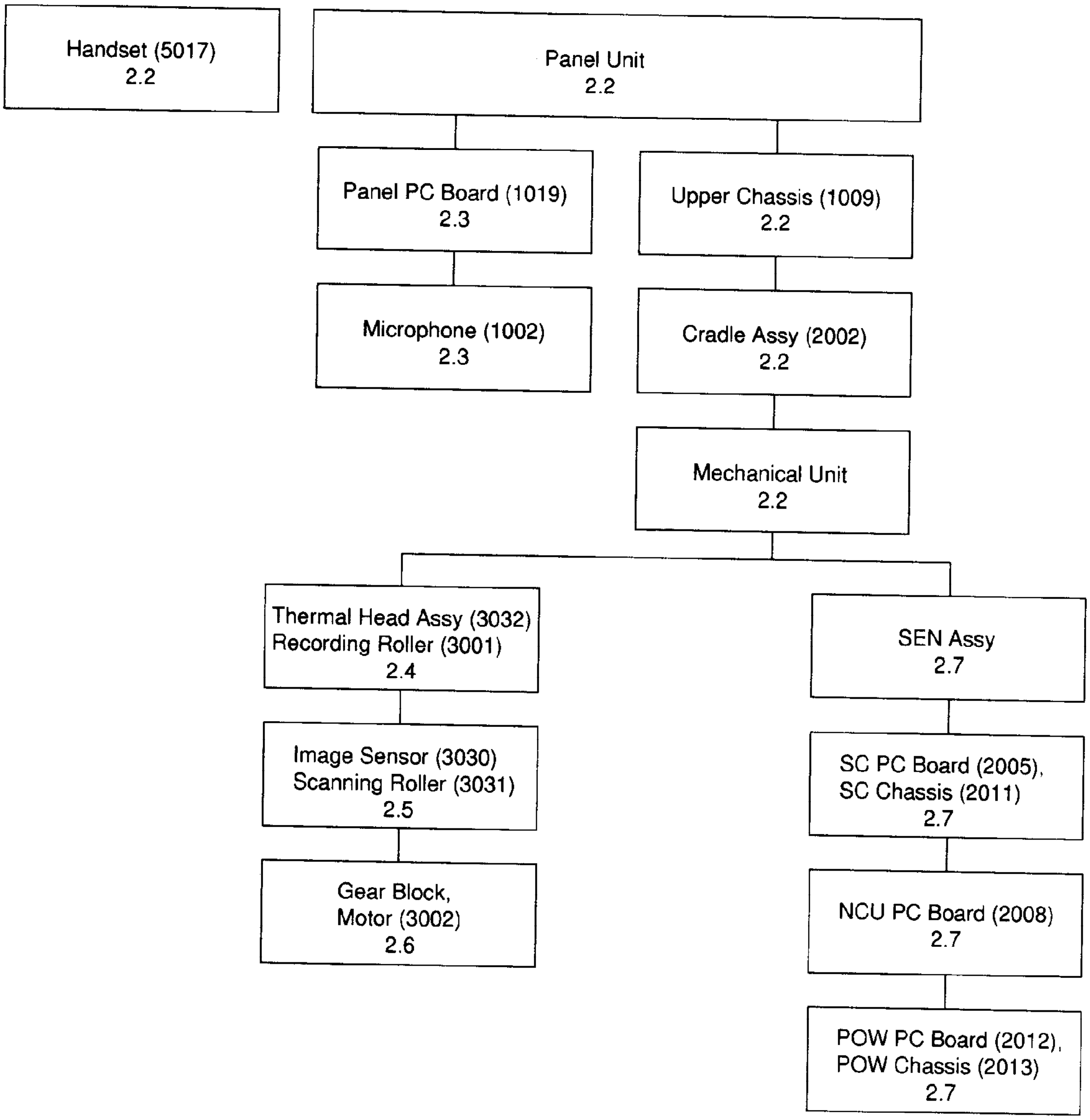
Specification Comparison

Items	UF-S1	UF-V60	Remarks
18. REMOTE CONTROLLED FEATURE			
Destination Tel No. Change for Fax Transfer	No	Yes	
OGM Recording	Yes	←	
19. OTHERS			
Remote Diagnostic	Yes	←	
Internal Demo	Yes	←	
Clock Backup	Yes	←	
Private Call	Yes	No	
20. LANGUAGE			
Control Panel	Depending on country	←	
LCD Screen	Depending on country	←	
Journal/List/Printouts	Depending on country	←	
User's Guide	Depending on country	←	
Quick Reference Guide	Depending on country	←	
Carton Box	English	←	
21. ATTACHMENT AND ACCESSORIES			
Recording Paper	1 (15m)	1 (10m)	Installation Purpose (UF-V60)
Telephone Handset	1	←	
Telephone Line Cord	1	←	
User's Guide	1	←	
Quick Reference Guide	1	←	
Curl Cord	1	←	
Power Supply Cord	1	←	
Recording Paper Stacker	No	1	
Directory Sheet	No	1	
22. CONSUMABLES			
Recording Paper	THM-393E	THM-371F	V60 : Germany only
	THM-393E	THM-371E	V60 : Other Countries
	THM-493E	THM-431F	North, C & S America

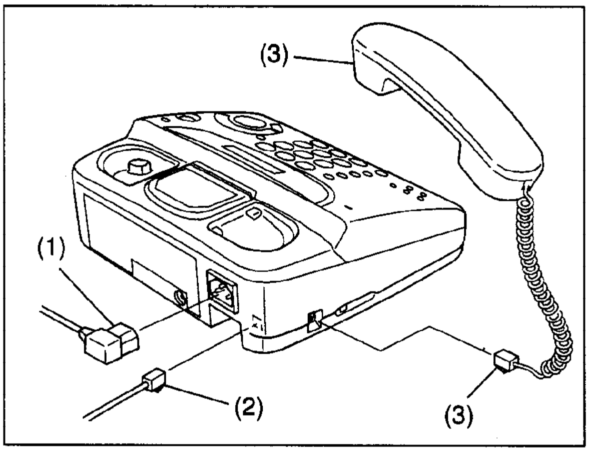
Specification Comparison

Items	UF-S1	UF-V60	Remarks
23. CONSTRUCTION			
Dimensions	Approx. 266 x 231 x 93 mm	Approx. 401 x 269 x 126 mm	
Weight	Approx. 2.5 Kg	Approx. 4.5 Kg	
24. POWER SUPPLY			
AC180-264V, 50/60Hz, Single Phase			
25. ENVIRONMENT			
Operating environment			
Temperature	5 to 35 °C		
Relative Humidity	20 to 80 % RH		
Storage Environment			
Temperature	-10 to 55 °C		
Relative Humidity	10 to 85 % RH		
Transportation Environment (Max. 72H)			
Temperature	-30 to 60 °C		
Relative Humidity	10 to 85 % RH		
26. STANDARD			
ITU-T	Rec. T3, T4, T30		
Safety	IEC 950		
Telephony	PTT requirement		
EMI			

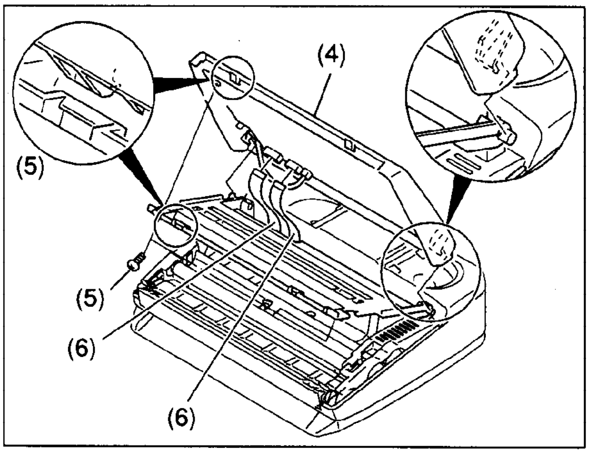
2.1 General Disaseembly Flowchart


Handset (5017)
2.2
Panel Unit
2.2
Panel PC Board (1019)
2.3
Upper Chassis (1009)
2.2
Microphone (1002)
2.3
Cradle Assy (2002)
2.2
Mechanical Unit
2.2
Thermal Head Assy (3032)
Recording Roller (3001)
2.4
SEN Assy
2.7
Image Sensor (3030)
Scanning Roller (3031)
2.5
SC PC Board (2005),
SC Chassis (2011)
2.7
Gear Block,
Motor (3002)
2.6
NCU PC Board (2008)
2.7
POW PC Board (2012),
POW Chassis (2013)
2.7

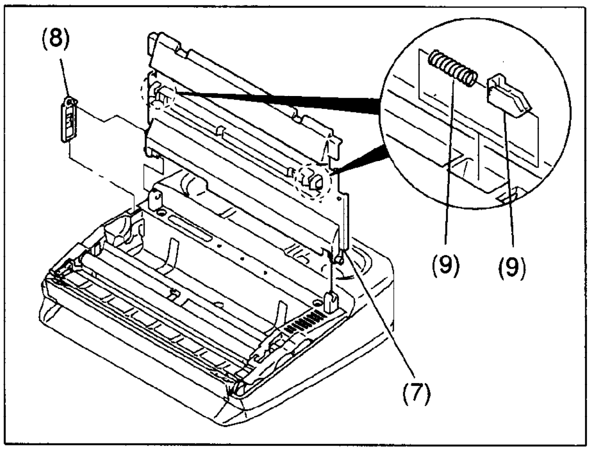
2.2 Panel Assy, Upper Chassis (1009), Cradle Cover Assy (2002), Speaker Assy , Mechanical Unit and ROM.



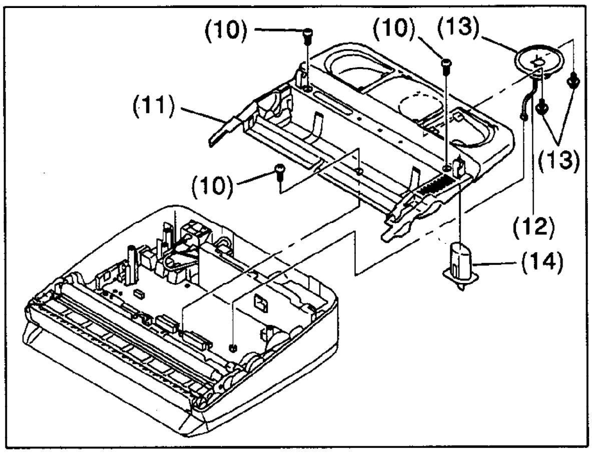
1. Disconnect the ***Power Cord*** (5014).
2. Disconnect the ***Line Cord*** (5015).
3. Remove the ***Handset*** (5017) and the ***Handset Cord*** (5016).



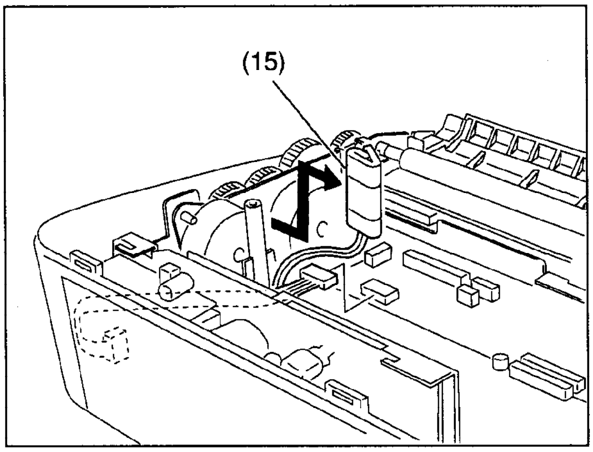
4. Open the ***Cotrol Panel***.
5. Two ***Screws*** (C5) and the ***Panel PC Board*** (1019) (for U.K. only)
5. Release the two ***Latches*** and the ***Panel PC Board*** (1019). (for other countries)
6. Disconnect the ***FFC***, ***PNL1 Cable*** (4003) and ***FFC***, ***PNL 2 Cable*** (4004). (for U.K., Italy and China)
6. Disconnect the ***FFC***, ***PNL 2 Cable*** (4004). (for other countries)



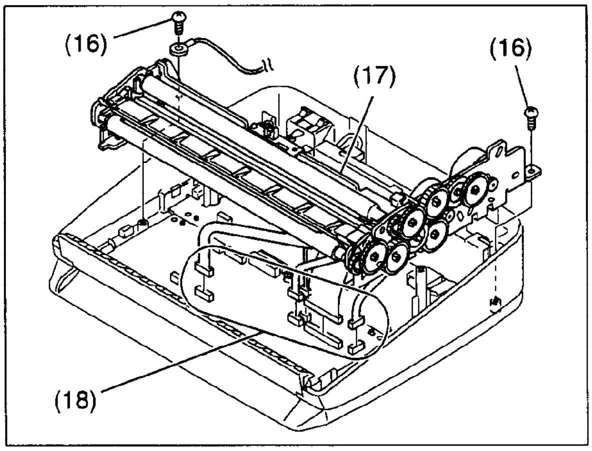
7. Remove the ***Upper Chassis*** (1009).
8. Remove the ***S-Stopper*** (1020).
9. Remove the ***Coil Spring*** (1008) and release the ***Latch*** (1007).



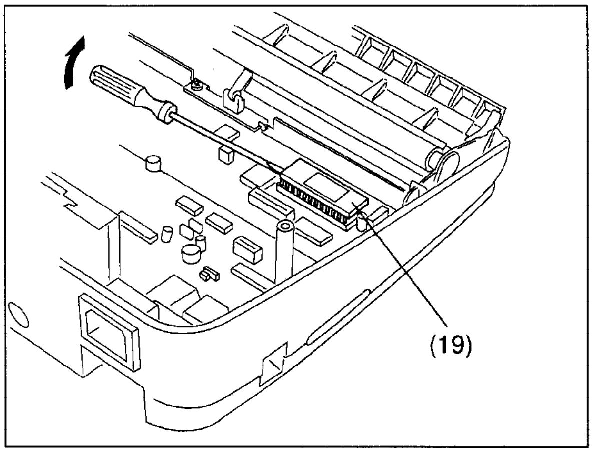
10. Three **Screws** (1Y).
11. Remove the **Cradle Cover Assy** (2002).
12. Disconnect the **Speaker Cable**.
13. Remove the two **Screws** (C2) and **Speaker Assy**.
14. ·Remove the **Hook Button** (2005).



15. Remove the **Heat Fuse**.

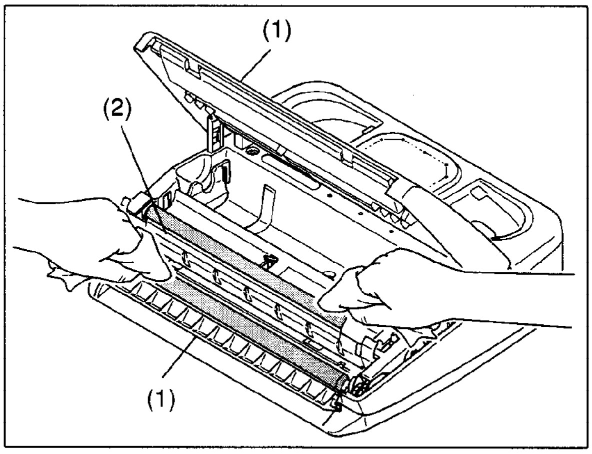


16. Two **Screws** (1Y).
17. Remove the **Mechanical Unit**.
18. Remove the **Image Sensor Cable** (4014), **Thermal Head Cable** (4013), **Document Sensor Cable** (4015) and **Motor Cable 1, 2**.



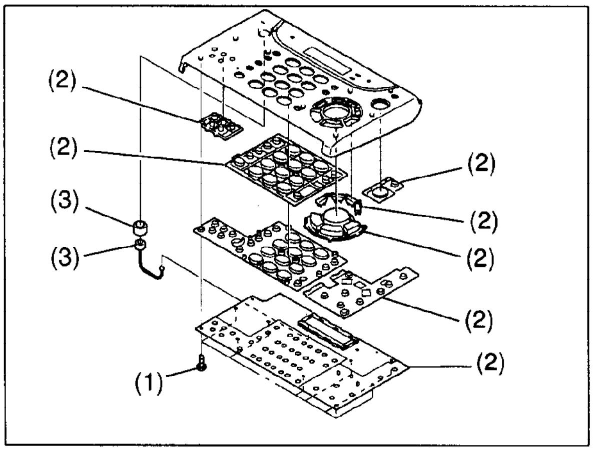
19. Remove the ***ROM***.

Cleaning the Scanning Roller (3031) and Recording Roller (3001).



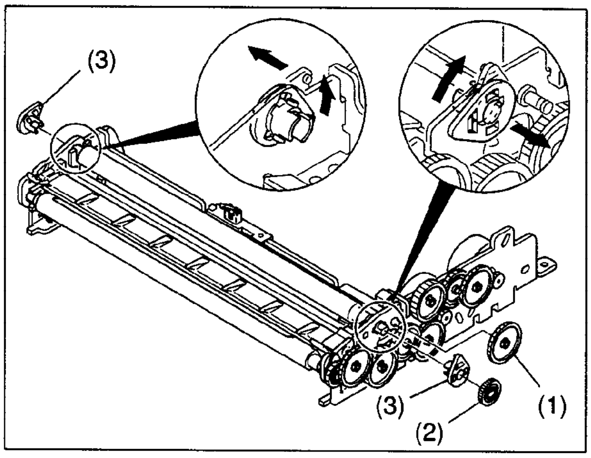
1. Open the ***Cotrol Panel*** and The ***Front Cover*** (2002).
2. Open the ***Paper Chassis*** (3017).
3. Clean the ***Scanning Roller*** (3031) by pressing STOP button repeatedly to rotate roller and the ***Reocrding Roller*** (3001) using a soft cloth soaked with ethyl alcohol.

2.3 Panel PC Board (1017), Microphone (1002)

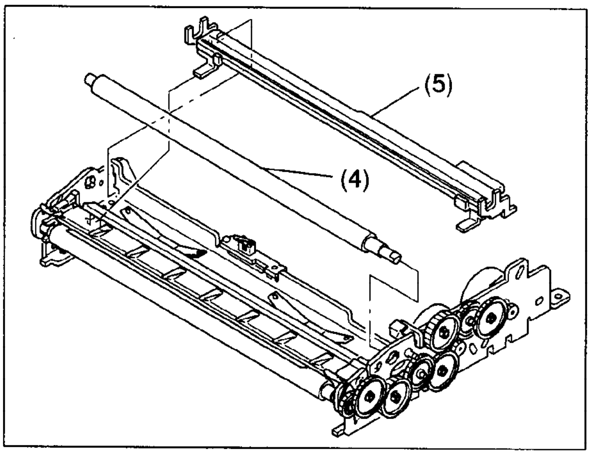


1. Seven ***Screws*** (7B) (for U.K. only)
1. Nine ***Screws*** (7B) (for other countries)
2. Remove the ***Panel PC Board*** (1019), ***Click Sheet A*** (1018), ***Click Sheet B*** (1017), ***Button A*** (1016), ***Button B*** (1013), ***Button C*** (1011), ***Button D*** (1014) and ***LED*** (1015).
3. Remove the ***Microphone Cover*** and ***Microphone***.

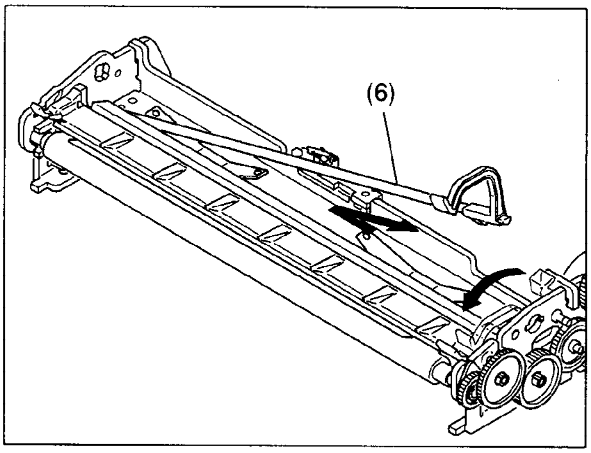
2.4 Thermal Head Assy (3032) and Recording Roller (3001)



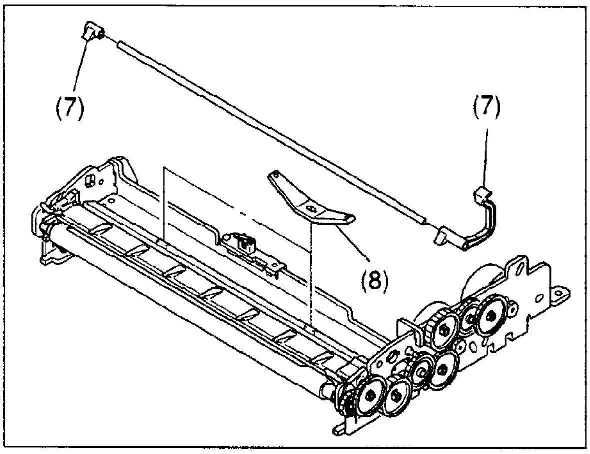
1. Remove the ***F Gear*** (3025).
2. Remove the ***D Gear*** (3024).
3. Remove the ***Bush*** (3013) of both side by rotating 90°.



4. Remove the ***Recording Roller*** (3001).
5. Remove the ***Thermal Head Assy*** (3032).

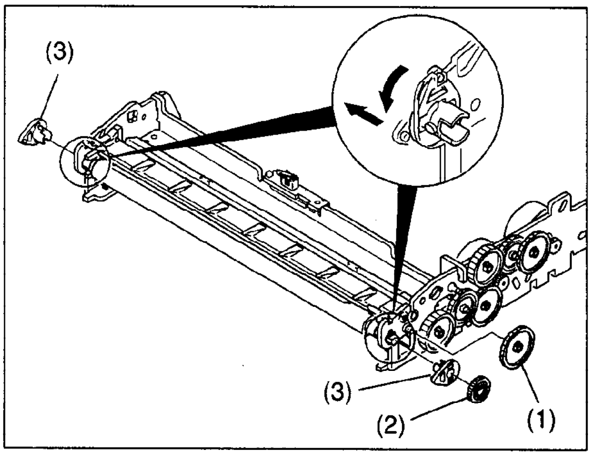


6. Remove the ***Release Lever*** by rotating 90°.

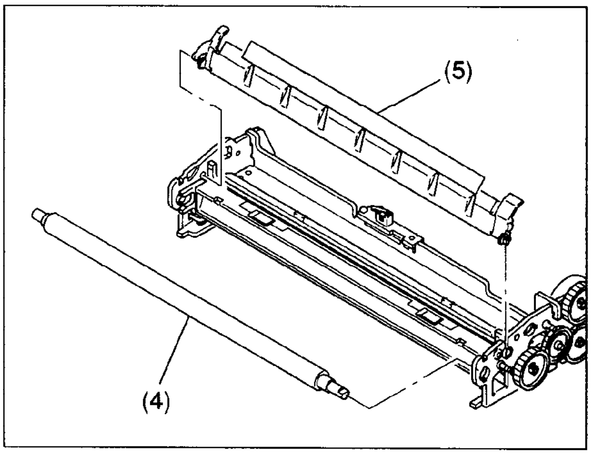


7. Remove the ***CAM*** (3007) and ***Release Lever*** (3009).
8. Remove the two ***Spring Plate*** (3005).

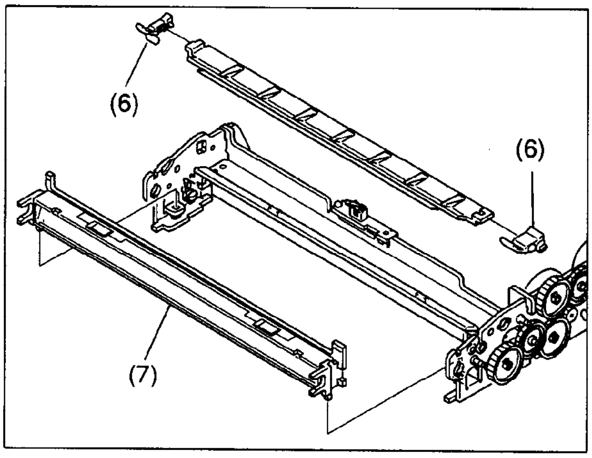
2.5 Image Sensor (3030) and Scanning Roller (3031)



1. Remove the ***F Gear*** (3025).
2. Remove the ***D Gear*** (3024).
3. Remove the ***Bush*** (3013) by rotating 90°.



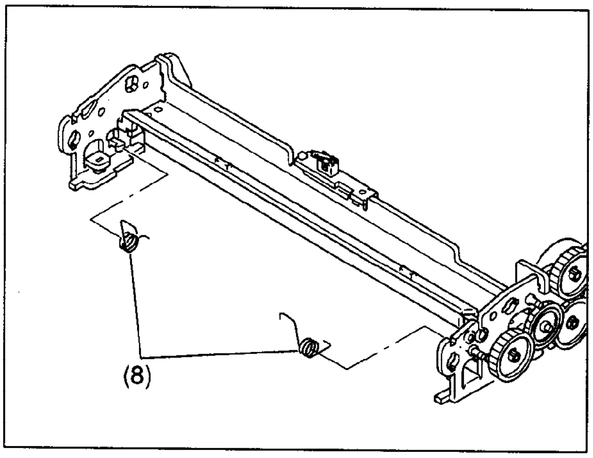
4. Remove the ***Scanning Roller*** (3031).
5. Remove the ***Paper Chassis***.



6. Remove the ***Guide Lever L*** (3016) and ***Guide Lever R*** (3020).
7. Remove the ***Image Sensor*** (3030).

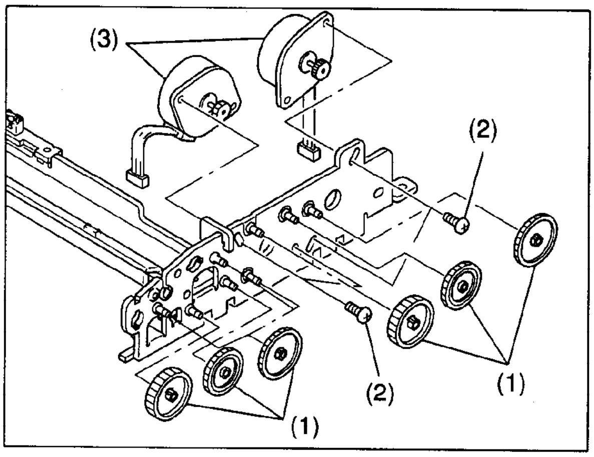
Note

Please operate CIS Training by referring 5.13 Test Mode 15 in the Chapter 5 after you replaced CIS.



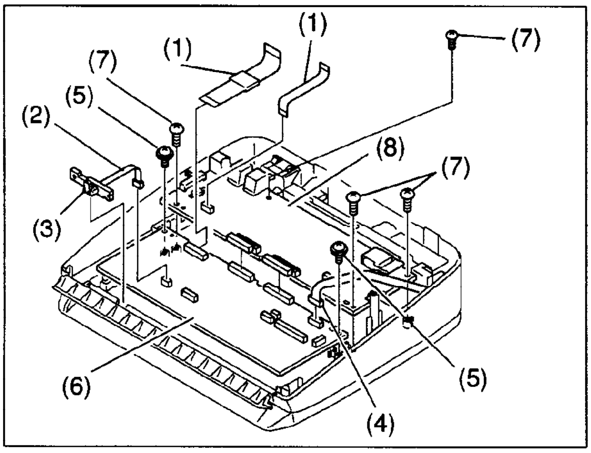
8. Remove the ***Spring Coil L*** (3015) and ***Spring Coil R*** (3021).

2.6 Motor



1. Remove the four ***F Gears*** (3025), two ***F Gears*** (3027) and two ***F Gears*** (3026).
2. Four ***Screws*** (19)
3. Remove the ***Motors*** (3022).

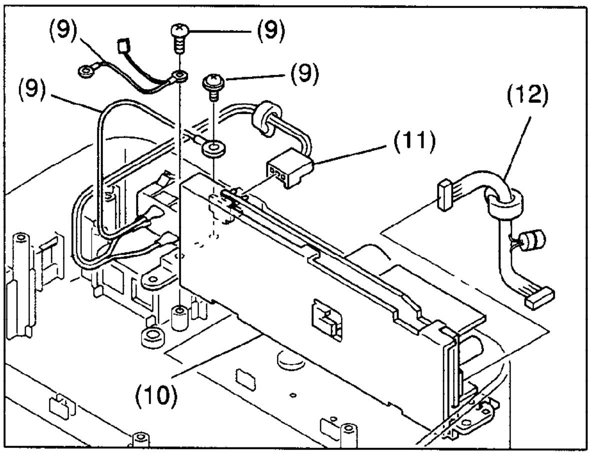
2.7 SEN Assy, SC PC Board (2005), NCU PC Board (2008) and POW PC Board (2012)



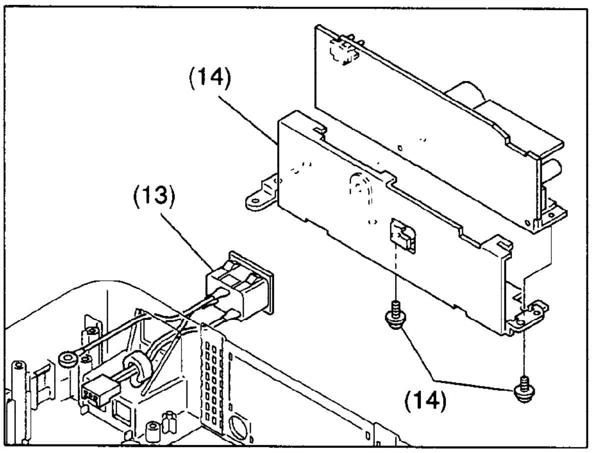
1. Remove the ***FFC***, ***PNL 1 Cable*** (4003) and ***FFC, PNL 2 Cable***(4004). (for U.K.)
1. Remove the ***FFC***, ***PNL 2 Cable*** (4004). (for other countries)
2. Disconnect the ***Document Sensor Cable*** (4015).
3. Remove the ***SEN Assy***.
4. Disconnect the ***POW Cable*** (4011).
5. Two ***Screws*** (C4)
6. Remove the ***SC PC Board*** (2005).
7. Four ***Screws*** (19).
8. Remove the ***NCU PC Board*** (2008).

Note

Please operate CIS Training by referring 5.13 Test Mode 15 in the Chapter 5 after you replaced SC PC Board.



9. Two ***Screw*** (24) and remove the two ***FG Cables***.
10. Remove the ***POW Assy***.
11. Disconnect the ***POW2 Cable***.
12. Remove the ***POW Cable*** (4011).



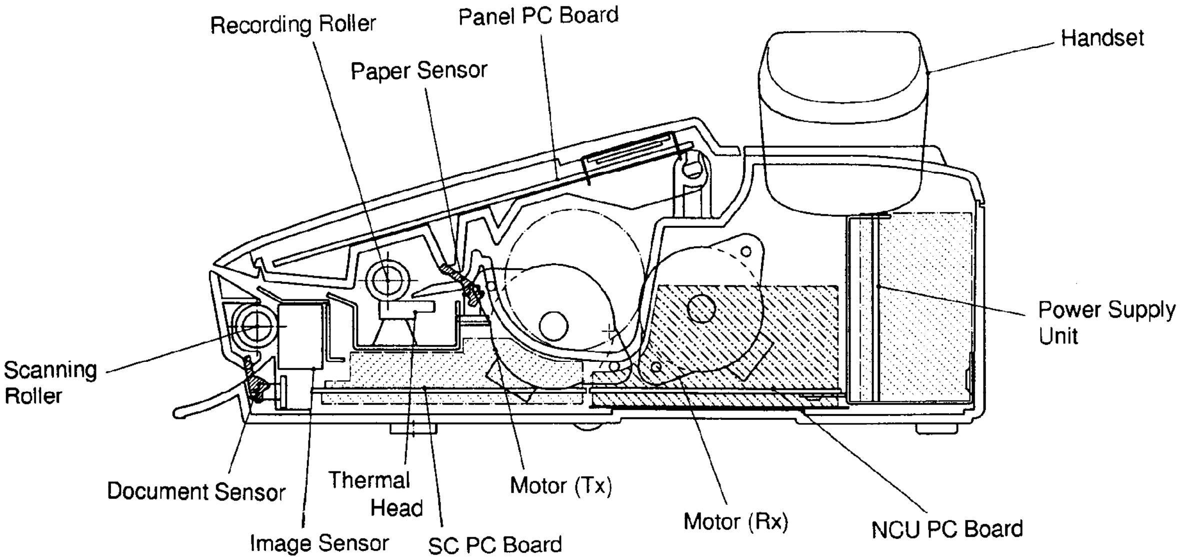
13. Remove the ***Inlet*** (4007).
14. Two ***Screw*** (C3) and remove the ***Power Chassis*** (2013).

3.1 Required Tools

Tool List

No.	Tool	No.	Tool
1	Soft Cloth	5	Tweezers
2	Ethyl Alcohol	6	Pliers
3	Phillips Screwdriver (#0) (#2)	7	Cotton Swab
4	Blade-tip Screwdriver (3/32 in)	8	Brush

3.2 Periodic Maintenance Points


Recording Roller
Panel PC Board
Paper Sensor
Handset
Power Supply Unit
Scanning Roller
Document Sensor
Thermal Head
Image Sensor
SC PC Board
Motor (Tx)
Motor (Rx)
NCU PC Board

3.3 Periodic Maintenance Check List

The chart outlined below is a general guideline for maintenance. The example list is for an average usage of 50 transmitted and received documents per day. Needless to say, the environmental conditions and actual use will vary these factors.

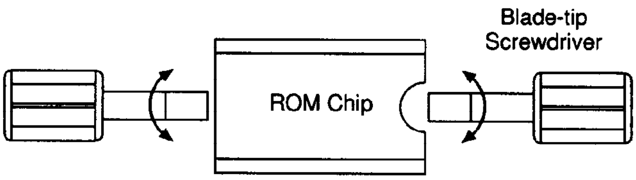
The chart below is for reference only.

Periodic Maintenance Check List

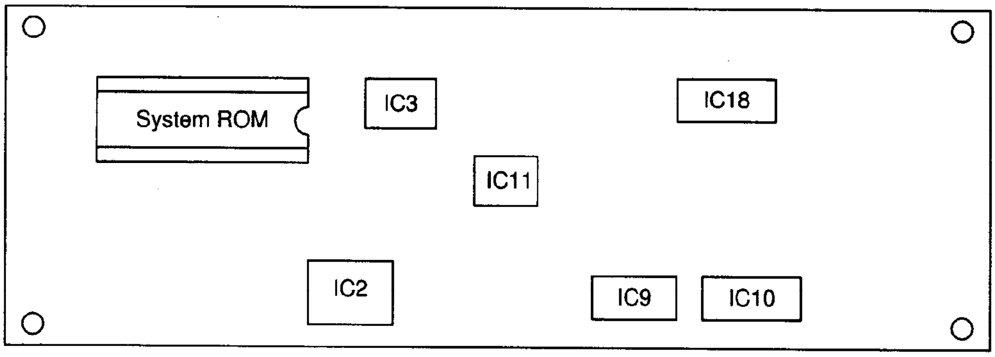
Maintenance Item	**Cleaning**		**Replacement/Adjustment**	
	Cycle	**Method**	**Cycle**	**Method**
Scanning Roller	3 months	Page 2-8	1-3 years (10,000 documents)	Page 2-12
Image Sensor	3 months	Page 2-8	5 years	
TX Motor	-	-	5 years	Page 2-17
RX Motor	-	-	5 years	Page 2-17
Thermal Head	3 months	Page 2-6	4 years	Page 2-10
Recording Roller	3 months	Page 2-6	5 years	Page 2-5

3.4 Program ROM

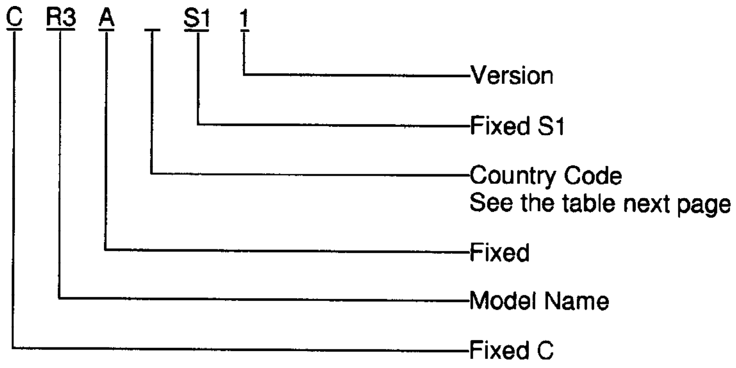
3.4.1 Replacement Procedure (ROM is mounted on SC PCB.) (Refer to section 2.2)


Blade-tip
Screwdriver
ROM Chip

3.4.2 ROM Location


System ROM
IC3
IC18
IC11
IC2
IC9
IC10

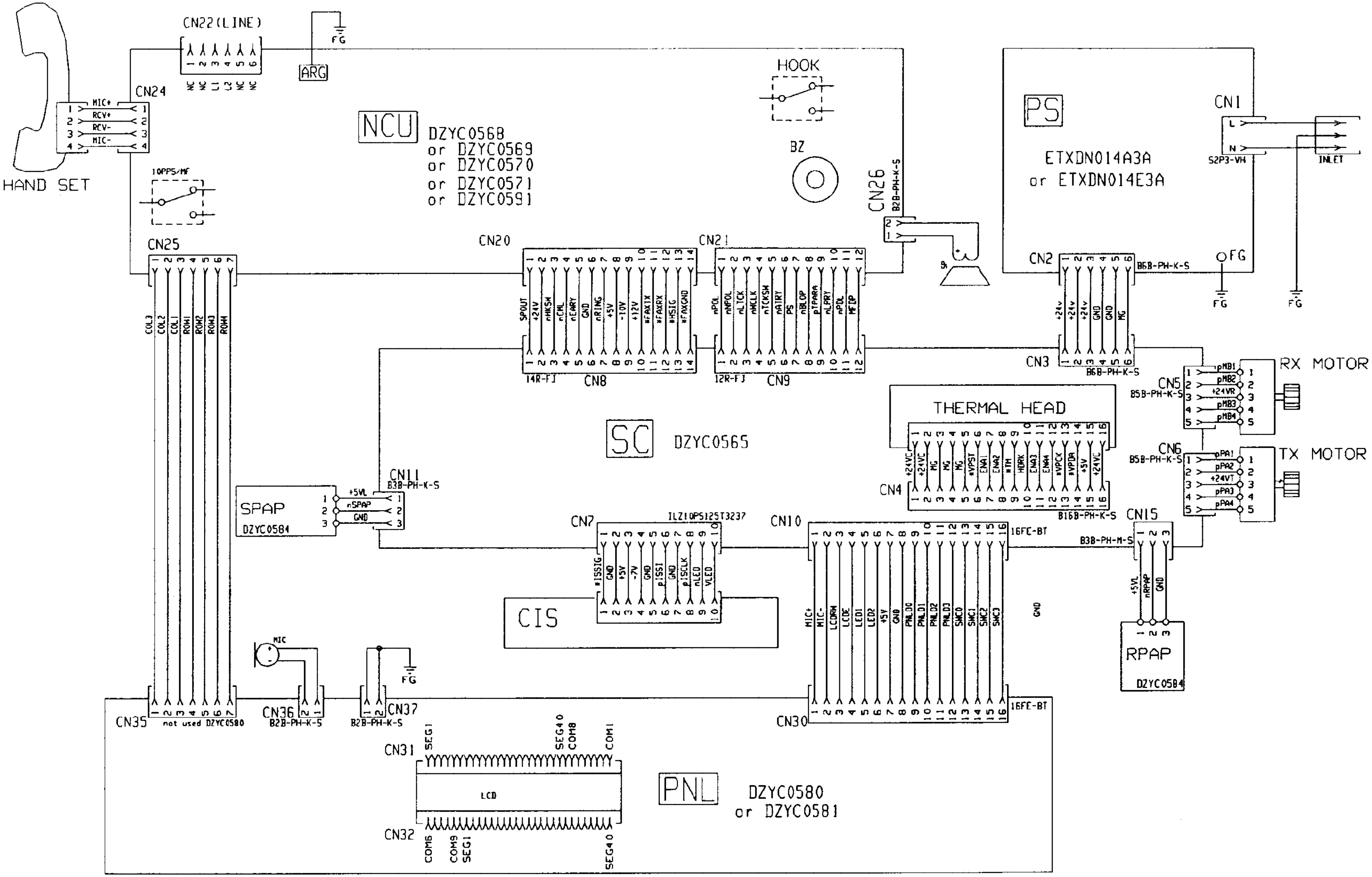
3.4.3 ROM Label


C
R3
A
_
S1
1
Version
Fixed S1
Country Code
See the table next page
Fixed
Model Name
Fixed C

Country Code Table

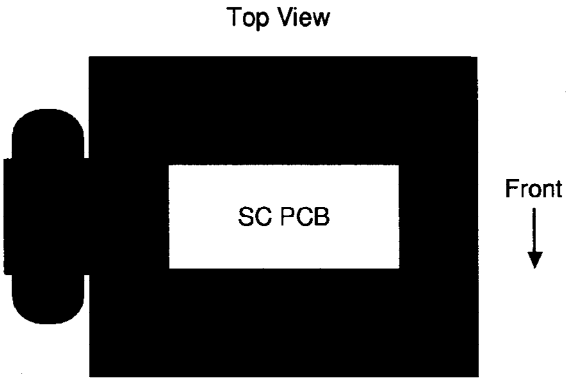
Country Code	Country	Country Code	Country
AA	Austria	EE	Italy
AB	U.K.	YA	South America
AC	Canada	YC	Others
AD	Denmark	YJ	Checo, Slovakia
AE	Taiwan	YL	Brazil (100V)
AF	Finland	YM	Malaysia
AG	Germany	YQ	Brazil (200V)
AH	Holland	YS	Saudi Arabia
AJ	Spain	YT	Thailand
AK	Hong Kong	YV	China
AL	Asutralia	YW	South Africa
AM	Switzerland	YX	Singapore
AN	Norway	YY	Central & South America
AP	Portugal		
AQ	Ireland		
AR	Belgium		
AS	Sweden		
AT	Turkey		
AV	France		
AW	New Zealand		

3.5 Schematic Diagram

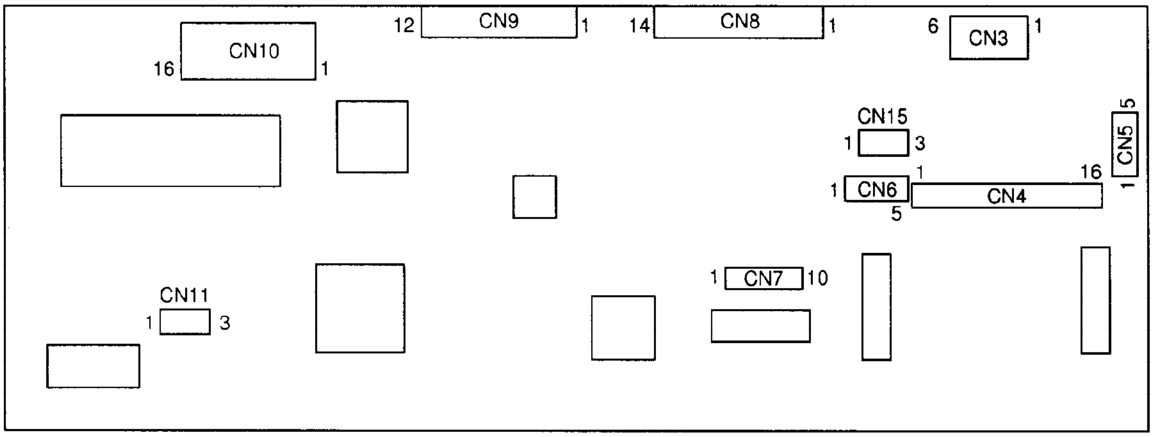

HAND SET
CN24
MIC+
RCV+
RCV-
MIC-
CN22(LINE)
NC
NC
L1
L2
NC
NC
FG
ARG
10PPS/MF
NCU
DZYC0568
or DZYC0569
or DZYC0570
or DZYC0571
or DZYC0591
HOOK
BZ
CN26
B2B-PH-K-S
SP
PS
ETXDN014A3A
or ETXDN014E3A
CN1
L
N
S2P3-VH
INLET
FG
CN2
B6B-PH-K-S
+24v
+24v
+24v
GND
GND
MG
CN3
B6B-PH-K-S
CN20
CN8
14R-FJ
SPOUT
+24V
nHKSW
nCML
nEARY
GND
nRING
+5V
-10V
+12V
*FAXTX
*FAXRX
*HSIG
*FAXGND
CN21
CN9
12R-FJ
nPOL
nNPOL
nLTCK
nMCLK
nTCKSW
nAIRY
PS
nBLOP
pTPARA
nLPRY
nPDL
MFDP
CN25
COL3
COL2
COL1
ROW1
ROW2
ROW3
ROW4
SC
DZYC0565
THERMAL HEAD
CN4
B16B-PH-K-S
+24VC
+24VC
MG
MG
MG
*VPST
ENA1
ENA2
*TM
HDRK
ENA3
ENA4
*VPCK
*VPDA
+5V
+24VC
RX MOTOR
CN5
B5B-PH-K-S
pMB1
pMB2
+24VR
pMB3
pMB4
TX MOTOR
CN6
B5B-PH-K-S
pPA1
pPA2
+24VT
pPA3
pPA4
CN15
B3B-PH-M-S
+5VL
nRPAP
GND
RPAP
DZYC0584
CN11
B3B-PH-K-S
+5VL
nSPAP
GND
SPAP
DZYC0584
CN7
ILZ10PS125T3237
*ISSIG
GND
+5V
-7V
GND
pISSI
GND
pISCLK
nLED
VLED
CIS
CN10
16FC-BT
MIC+
MIC-
LCDRW
LCDE
LED1
LED2
+5V
GND
PNLD0
PNLD1
PNLD2
PNLD3
SWC0
SWC1
SWC2
SWC3
GND
CN30
16FE-BT
MIC
CN36
B2B-PH-K-S
CN37
B2B-PH-K-S
FG
CN35
not used DZYC0580
CN31
SEG1
SEG40
COM8
COM1
LCD
CN32
COM8
COM9
SEG1
SEG40
PNL
DZYC0580
or DZYC0581

3.6 SC PC Board

3.6.1 SC PC Board Location


Top View
SC PCB
Front

3.6.2 Connector Location on SC PC Board


CN9
12
1
CN8
14
1
CN3
6
1
CN10
16
1
CN15
1
3
CN5
5
1
CN6
1
5
CN4
1
16
CN7
1
10
CN11
1
3

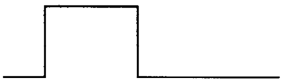
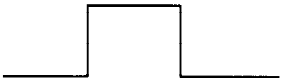
3.6.3 Pin Alignment

Note The following mark in the signal name mean;
* : analog signal.
n : digital signal (normal level is high, activated by low signal.)
p : digital signal (normal level is low, activated by high signal.)

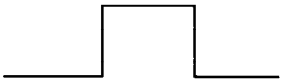
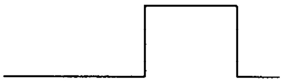
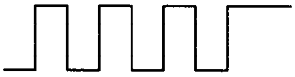
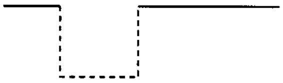
CN3

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	+24V	Power Supply Unit CN14-1	+24V	+24V DC Power Supply
2 IN	+24V	Power Supply Unit CN14-2	+24V	+24V DC Power Supply
3 IN	+24V	Power Supply Unit CN14-3	+24V	+24V DC Power Supply
4	GND	Power Supply Unit CN14-4	0V	Digital Ground
5	GND	Power Supply Unit CN14-5	0V	Digital Ground
6	MG	Power Supply Unit CN14-6	0V	Mechanical Ground

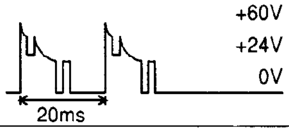
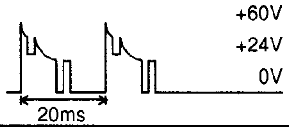
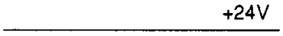
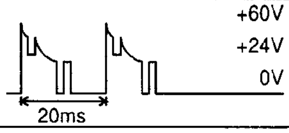
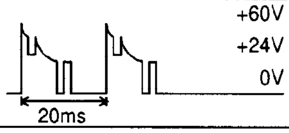
CN4 (1/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1	+24VC	Thermal Head	+24V	+24V DC Power Supply
2	+24VC	Thermal Head	+24V	+24V DC Power Supply
3	MG	Thermal Head	0V	Mechanical Ground
4	MG	Thermal Head	0V	Mechanical Ground
5	MG	Thermal Head	0V	Mechanical Ground
6	VPST	Thermal Head		
7 OUT	ENA1	Thermal Head		Enable Signal
8 OUT	ENA2	Thermal Head		Enable Signal
9 IN	TM	Thermal Head	1.1V Normal 0V Overheat	Monitoring Thermistor Threshold : Approx. 1.1V
10 IN	HD12K	Thermal Head		

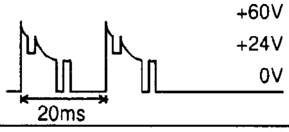
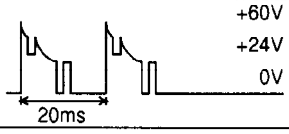
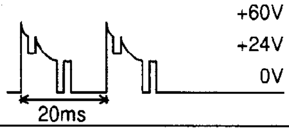
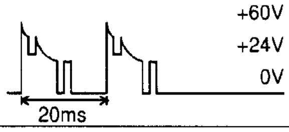
CN4 (2/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
11 OUT	ENA3	Thermal Head		Enable Signal
12 OUT	ENA4	Thermal Head		Enable Signal
13	VPCK	Thermal Head		Serial Clock
14	VPDA	Thermal Head		Serial Data
15	+5V	Thermal Head		+5V DV Power Supply
16	+24V.C	Thermal Head		+24V DC Power Supply

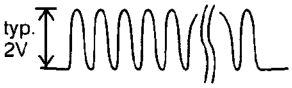
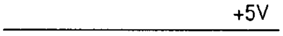
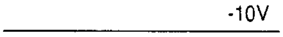
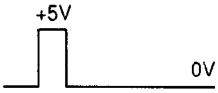
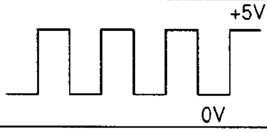
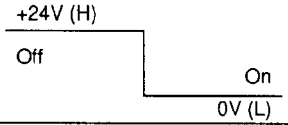
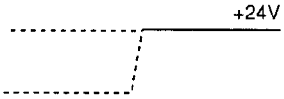
CN5

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	pMB1	Rx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
2 OUT	pMB2	Rx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
3 OUT	+24VC	Rx MOTOR		+24V DC Power Supply
4 OUT	pMB3	Rx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
5 OUT	pMB4	Rx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor

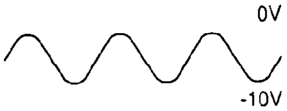
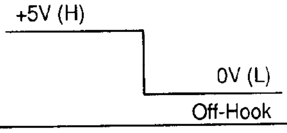
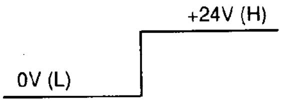
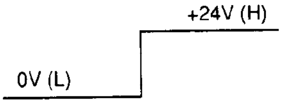
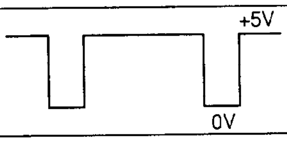
CN6

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	pMA1	Tx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
2 OUT	pMA2	Tx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
3 OUT	+24VC	Tx MOTOR		+24V DC Power Supply
4 OUT	pMA3	Tx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor
5 OUT	pMA4	Tx MOTOR	 +60V +24V 0V 20ms	Control Pulses for the Stepping Motor

CN7

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	ISSIG	CIS		Picture Signal
2	GND	CIS		Digital Ground
3	+5V	CIS		+5V DC Power Supply
4	-10V	CIS		-10V DC Power Supply
5	GND	CIS		Digital Ground
6 OUT	ISSI	CIS		Start Signal
7	-10V	CIS		-10V DC Power Supply
8 OUT	ISCLK	CIS		Clock
9	LEDG	CIS	 +24V (H) Off On 0V (L)	L : LED On H : LED Off
10	LED	CIS		Switching LED lamp ON

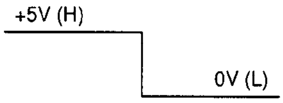
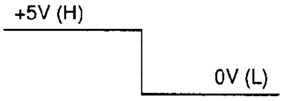
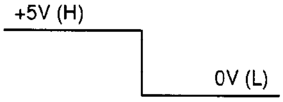
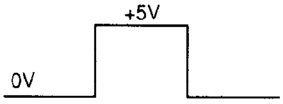
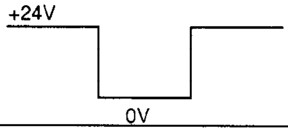
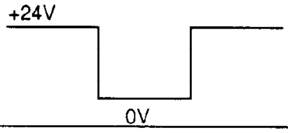
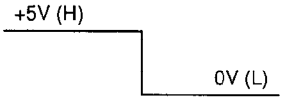
CN8 (1/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	SPOUT	NCU PC Board CN20-1		Speaker Signal
2	+24V	NCU PC Board CN20-2	+24V	+24V DC Power Supply
3 IN	HKSW	NCU PC Board CN20-3		HS Hook Status H : On-Hook L : Off-Hook
4 OUT	CML	NCU PC Board CN20-4		Control Signal for RL1 L : Relay is switched.
5 OUT	EARY	NCU PC Board CN20-5		Control Signal for RL4 L : Relay is switched.
6	GND	NCU PC Board CN20-6	0V	Digital Ground
7 IN	RING	NCU PC Board CN20-7		Ring Status of Line L : Ringing
8	+5V	NCU PC Board CN20-8	+5V	+5V DC Power Supply
9	-10V	NCU PC Board CN20-9	-10V	
10	+12V	NCU PC Board CN20-10	+12V	+12V DC Power Supply

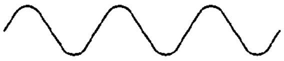
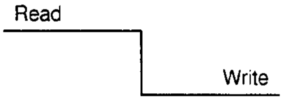
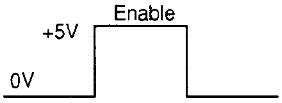
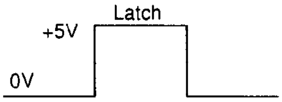
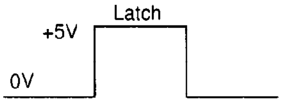
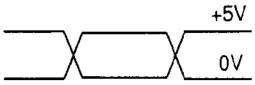
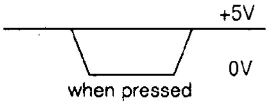
CN8 (2/2)

Pin No.	Signal Name	Destination	Signal Waveform	Function
11 OUT	FAX TX	NCU PC Board CN20-11		Fax Tx Signal Signal
12 IN	FAX RX	NCU PC Board CN20-12		Fax Rx Signal
13 IN	HSIG	NCU PC Board CN20-13		Telephone Signal and CNG
14	FAX GND	NCU PC Board CN20-14		Fax Signal Ground

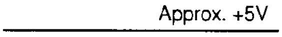
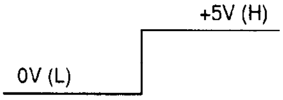
CN9

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	PPOL	NCU PC Board CN21-1		Telephone Line Current Detection
2 IN	NPOL	NCU PC Board CN21-2		Telephone Line Current Detection
3 IN	LTCK	NCU PC Board CN21-3		Not used
4 OUT	WCLK	NCU PC Board CN21-4		Not used
5 OUT	TCKSW	NCU PC Board CN21-5		Not used
6 OUT	ATRY	NCU PC Board CN21-6		Not used
7 OUT	PS	NCU PC Board CN21-7		Not used
8 IN	BLoop	NCU PC Board CN21-8		Telephone Line Current Detection
9 IN	TPARA	NCU PC Board CN21-9		Hook status for the phone in parallel (for U.S.A. and Canada only) L : On-Hook H : Off-Hook
10 OUT	LPRY	NCU PC Board CN21-10		Shaping Dialing Pulse
11 OUT	PDL	NCU PC Board CN21-11		Pulse Dialing Control Signal H : Make Loop L : Break Loop
12 IN	MFDP	NCU PC Board CN21-12		Tone / Pulse Slide Switch Position H : Tone Dialing L : Pulse Dialing

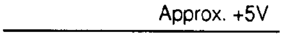
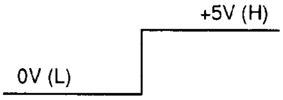
CN10

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	MIC+	PANEL PC Board CN30-1		Mic Signal
2	MIC-	PANEL PC Board CN30-2		Analog Ground
3 OUT	LCDRW	PANEL PC Board CN30-3		Panel CPU Read / Write H : Read L : Write
4 OUT	LCDE	PANEL PC Board CN30-4	 Enable +5V 0V	Panel CPU R / W Enable H : Enable
5 OUT	LED1	PANEL PC Board CN30-5		LED Data Latch Pulse 1
6 OUT	LED2	PANEL PC Board CN30-6		LED Data Latch Pulse 2
7	GND	PANEL PC Board CN30-7		Digital Ground
8	+5V	PANEL PC Board CN30-8		+5V DC Power Supply
9 ~ 12 I/O	PNLD0~3	PANEL PC Board CN30-9~12		Panel CPU and LED Data
13 ~ 16 IN	SWC0~3	PANEL PC Board CN30-13~16	 +5V 0V when pressed	Key Scan Data

CN11

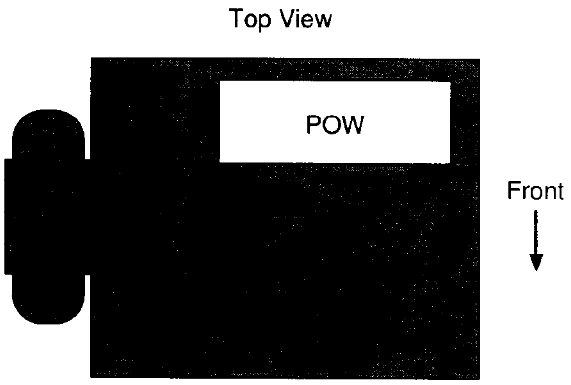
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	LEDA	Document Sensor PC Board		Approx. +5V DC Power Supply
2 IN	SPAP	Document Sensor PC Board		____________ Sensor H : Paper detected L : No paper detected
3	GND	Document Sensor PC Board		Digital Ground

CN15

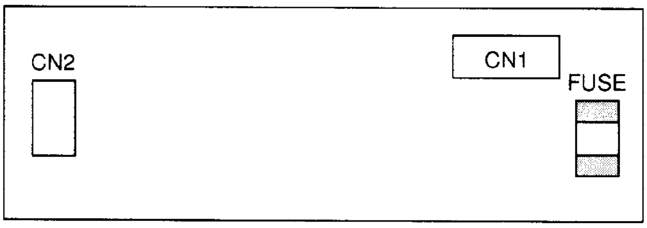
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	LEDB	Recording Paper Sensor PC Board		Approx. +5V DC Power Supply
2 IN	RPAP	Recording Paper Sensor PC Board		Recording Paper Sensor H : Paper detected L : No paper detected
3	GND	Recording Paper Sensor PC Board		Digital Ground

3.7 Power Supply PC Board

3.7.1 PCB Location


Top View
POW
Front

3.7.2 Connector Location on POW PC Board


CN2
CN1
FUSE

3.7.3 Pin Alignment

CN1

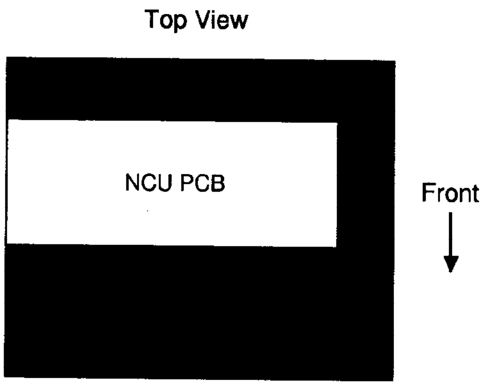
Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	AC NUTRAL	POW PC Board CN2-2		110V AC / 120V AC or 220V AC / 240V AC
2	NC			No Connection
3 IN	AC LIVE	POW PC Board CN2-1		110V AC / 120V AC or 220V AC / 240V AC

CN2

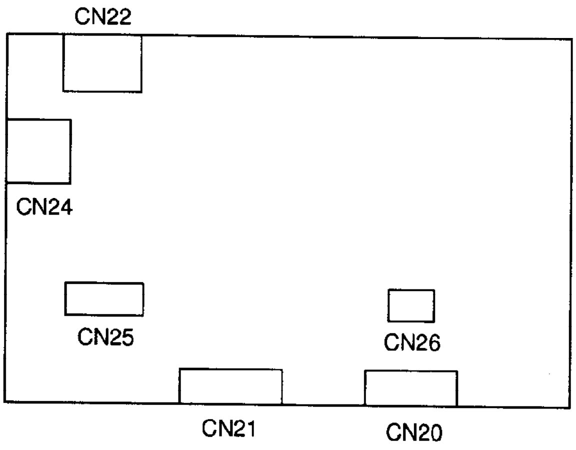
Pin No.	Signal Name	Destination	Signal Waveform	Function
1	+24V	SC PC Board CN3-1	+24V	+24V DC Power Supply
2	+24V	SC PC Board CN3-2	+24V	+24V DC Power Supply
3	+24V	SC PC Board CN3-3	+24V	+24V DC Power Supply
4	GND	SC PC Board CN3-4	0V	Digital Ground
5	GND	SC PC Board CN3-5	0V	Digital Ground
6	MG	SC PC Board CN3-6	0V	Mechanical Ground

3.8 NCU PC Board

3.8.1 PCB Location

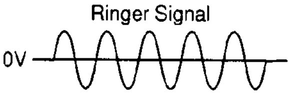

Top View
NCU PCB
Front

3.8.2 Connector Location on NCU PC Board


CN22
CN24
CN25
CN26
CN21
CN20

3.8.3 Pin Alignment

CN22 (for U.K., Hong Kong, New Zealand)

Pin No.	Signal Name	Destination	Signal Waveform	Function
2	L1	Telephone Line		Line Signal
3	NC			No Connection
4	Shunt	Shunt Line		Ringer Signal (Not used for Hong Kong)
5	L2	Telephone Line		Line Signal

CN22 (Other countries)

Pin No.	Signal Name	Destination	Signal Waveform	Function
1	NC or E		Earth level	No connection or Line Earth
2	NC or E		Earth level	No connection or Line Earth
3	L1	Telephone Line		Line Signal
4	L2	Telephone Line		Line Signal
5	NC			No connection
6	NC			No connection

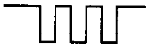
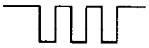
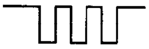
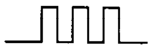
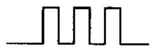
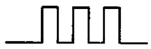
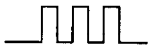
CN20

See CN8 on SC PC Board in page 3-13~14.

CN21

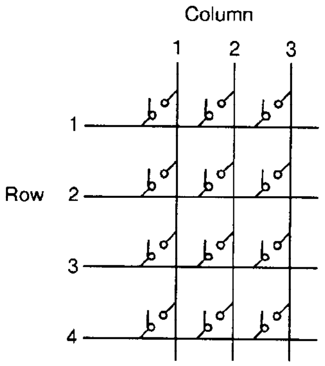
See CN11 on SC PC Board in page 3-17.

CN25

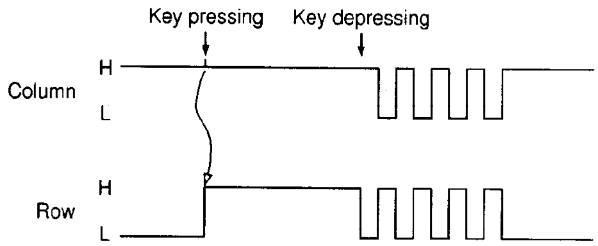
Pin No.	Signal Name	Destination	Signal Waveform		Function
1	Column 3	Key Matrix in the Control Panel	Stand by H level 2~5V H ——— L	By detecting Key pressing 	Scanning Signal for Key Matrix when no power occurred
2	Column 2	Key Matrix in the Control Panel	H ——— L		Scanning Signal for Key Matrix when no power occurred
3	Column 1	Key Matrix in the Control Panel	H ——— L		Scanning Signal for Key Matrix when no power occurred
4	Row 1	Key Matrix in the Control Panel	L level0~1V H L ———		Scanning Signal for Key Matrix when no power occurred
5	Row2	Key Matrix in the Control Panel	H L ———		Scanning Signal for Key Matrix when no power occurred
6	Row 3	Key Matrix in the Control Panel	H L ———		Scanning Signal for Key Matrix when no power occurred
7	Row 4	Key Matrix in the Control Panel	H L ———		Scanning Signal for Key Matrix when no power occurred

Supplementation :

By detecting key pressing, pulse signal is generated for both row and column. Row signal corresponding with key is kept high while it is pressed.



Key Matrix

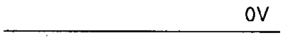


H level about 2V~5V due to power is supplied from line.

CN24

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 IN	MIC+	Handset		Handset Mic. Signal
2 OUT	RCV+	Handset		Handset Receiver Signal
3 OUT	RCV-	Handset		Handset Receiver Signal
4 IN	MIC-	Handset		Handset Mic. Signal

CN26

Pin No.	Signal Name	Destination	Signal Waveform	Function
1 OUT	SP	Speaker		Speaker Signal
2	GND	Speaker		Digital Signal

4.4 Information Code Table

Information Code Table (1/5)

Info. Code	Mode	Phase	Description of Problem	Cause
010	RCV COPY	-	No recording paper	No recording paper or paper is not set properly. Paper Sensor is defective.
012	RCV (POLLING)	C D	The length of received document is too long.	The maximum received document length is 2m (78.7 inches).
020	RX COPY	-	Thermal Head temperature is over 70 °C (158°F)	Thermal Head is defective. (due to abnormal Power Supply) Recording Paper jam
030	XMT	B	RP Sensor does not go On within 10 seconds after document starts feeding.	Document is not set properly. Defective SPAP Sensor or Actuator.
031	XMT COPY	C	Transmitting document was longer than 1m (39.4 inches).	Document may get jammed. Defective SPAP Sensor or Actuator .
032	XMT COPY	C	Transmitting document was shorter than 70mm (2.8 inches).	Document may get jammed. Defective RP Sensor.
400	XMT	B	T1 timer (35 ± 5 sec.) elapsed without detecting 300 bps signals.	Wrong number is dialed and START button is pressed. Telephone line is disconnected in the course of dialing. SC PCB (Modem) or NCU is defective. Receiver is defective.
401	XMT	B	DCN was returned from receiver when transmitter waits for CFR or FTT.	No available mailbox in the receiver. There is an incompatibility. (Ex.: Password Transmission)
402	XMT	B	DCN was returned from receiver when transmitter waits for NSF/DIS.	Receiver might work in non-CCITT mode only. There is incompatibility.
403	RCV (Polling)	B	Transmitter had no polling function.	"POLLED=ON" (polling XMT ready) is not set at transmitter. Document to be transmitted is not placed at transmitter.

Information Code Table (2/5)

Info. Code	Mode	Phase	Description of Problem	Cause
404	XMT	B	Transmitter sent NSS (or DCS) followed by TCF three times but receiver did not respond. (CFR or FTT is usually returned.)	Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective. Receiver disconnects line during first NSS (or DCS) transmitted.
405	XMT	B	Transmitter received FTT after it transmitted TCF at 2400bps. Received RTN after communicating at 2400bps.	Line quality is poor. (TCF is damaged due to line noise.) Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective.
406	RCV (Password Comm.)	B	XMT-Password mismatched. RCV-Password mismatched. Selective RCV incomplete.	XMT, RCV password does not match. Last 4-digit of TSI does not match with the Last 4- digit of ONE-TOUCH,Directory Telephone number.
407	XMT	D	Transmitter received no response after it transmitted post message such as EOP, MPS, EOM and so on. Or received DCN.	Receiver is defective. (No paper, paper jamming etc.) Receiver ceased receiving because of excessive error. (Line quality is poor.) SC PCB (Modem) or NCU is defective.
408	XMT	D	Transmitter received RTN after it transmitted EOP, MPS or EOM.	Receiver receives data with error. (Line quality is poor.) Receiver is defective.(Modem, NCU etc.) SC PCB (Modem) or NCU is defective.
409	XMT	D	Transmitter receives PIN after it transmitted a post message such as EOP, MPS, EOM etc.	Receiver receives data with error due to poor line quality, and receiving operator requests voice contact. Receiver is defective (Modem, NCU etc.). SC PCB(Modem) or NCU is defective.
411	RCV (polling)	B	Received DCN after transmitting NSC.	Transmitter is not ready for polling communication. Password does not match between transmitter and receiver.
412	RCV	B D	No response within 12 seconds in NSS/DCS/MPS wait state. (After transmitting FTT, MCF or CFR)	Transmitter is defective. SC PCB is defective.

Information Code Table (3/5)

Info. Code	Mode	Phase	Description of Problem	Cause
414	RCV (polling)	B	No response received after transmitting 3rd NSC.	Password does not match between transmitter and receiver. Transmitter is defective.(no document, document jam etc.)
415	RX (polling)	B	Remote side attempted to receive message from your machine in polling communication. "Inform remote side that your machine does not have the polling transmission feature."	There is incompatibility. Key Code does not match between transmitter and receiver.
416	RCV	D	Receiver did not detect post command such as EOP etc.	Transmitter is defective. Line quality is poor.(RTC signal is distorted due to line noise.) SC PCB (Modem) or NCU is defective.
417	RCV	D	Receiver returned RTN in response to post message.	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
418	RCV	D	Receiver transmitted PIN in response to PRI-Q from transmitter. (Transmitting operator requests voice contact.)	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
419	RCV	D	Receiver transmitted PIN in response to Post Message from transmitter. (Transmitting operator requests voice contact.)	Line quality is poor. (There are excessive errors in receiving data.) SC PCB (Modem) or NCU is defective.
420	RCV	B	T1 timer (35 sec.) elapsed without detecting 300 bps signal.	There is a wrong incoming call. (no facsimile communication.) Transmitter is defective. SC PCB (Modem) or NCU is defective.
421	RCV	B	T1 timer (35 sec.) elapsed without detecting 300 bps signal, after receiver receives EOM (End of Message).	Transmitter is defective. SC PCB (Modem) or NCU is defective. Line quality is poor.
422	XMT	B	Received invalid NSF/DIS, NSC/DIC.	Remote unit is defective. SC PCB (Modem) or NCU is defective.
428	RCV	B	Received DCN while waiting DCS.	Transmitter is defective or incompatible. Passwords mismatch.

Information Code Table (4/5)

Info. Code	Mode	Phase	Description of Problem	Cause
430	300 bps XMT	B	CS does not go ON within 30 seconds after RS is ON.	SC PCB (Modem) is defective.
431	RCV	B C	DCD does not go ON within 10 seconds after CD (Training Error) is ON.	Line quality is poor. Transmitter is defective. SC PCB (Modem) or NCU is defective.
432	XMT or Polling RCV	B	CD (response from Modem) did not turn OFF within 35 sec. in the initial routine (T1 timer period).	Line quality is poor. (Noise level is too high.) SC PCB (Modem) or NCU is defective.
433	300 bps XMT	D	Preamble was being sent more than 180 sec.	Recording at the remote unit is not finished.
434	XMT or RCV	B D	CD (response from Modem) did not turn OFF within 180 sec. after receiver detected FLAG signal.	Remote unit is defective. SC PCB (Modem) or NCU is defective.
435	RCV	C D	Timer over after sending 300 bps except EOM Reception in phase C, or time over after while waiting frame data detected high speed data.	Line quality is poor. Transmitter is defective. SC PCB (Modem) or NCU is defective.
436	RCV	B C	DCN received after transmitting FTT.	Transmitter is defective or incompatible. Line quality is poor.
446	RCV	C	DCN received while waiting Post Command.	Transmitter is defective.
447	RCV	D	Did not receive Post Command in 15 sec.	Remote unit is defective. Line quality is poor.
458	RCV	C	Did not receive CD in 10 sec.	Line quality is poor. SC PCB (Modem) or NCU is defective. Remote unit gets a document jammed.
459	RCV	C	Failed training in 10 sec.	Line quality is poor.(Training signal is distorted due to line noise.) SC PCB (Modem) or NCU is defective.
490	RCV	C	Sum of error line exceeded the limit (parameter 39) by 64 lines.	Line quality is poor. SC PCB (Modem) or NCU is defective.
492	RCV	C	Did not receive any data in Receiving Data Buffer in 10 sec.	Remote unit is defective. Line quality is poor. SC PCB (Modem) or NCU is defective.

Information Code Table (5/5)

Info. Code	Mode	Phase	Description of Problem	Cause
493	RCV	C	Did not detect the first EOL in 10 sec.	Remote unit gets a document jammed. Line quality is poor. SC PCB (Modem) or NCU is defective.
494	RCV	C	Interval between two EOLs was more than 10 sec. when receiver received message data.	Remote unit is defective. Line quality is poor. SC PCB (Modem) or NCU is defective.
495	RCV	C	Detected CD off.	Remote unit is defective. Line is disconnected. SC PCB (Modem) or NCU is defective.
630	XMT or RCV (Polling)	B	Redial count over.	Dial tone is not detected. Second dial tone is not detected. (depending on country.) Busy tone is detected. (depending on country.) T1 timer (35±5 sec.) elapsed without signal from receiver.

5.1 Test Mode Table

The following test modes are provided to help you to set various functions and test the condition of the machine.

Test Mode

No	Test Mode	Description
0	PRINT TEST PATTERN	Test Pattern Printout Printing mechanism and electrical circuit will be tested by printing a test pattern from the memory.
1	FUNCTION PARAMETER	Function Parameter Factory default values can be changed.
2	EDIT SYSTEM RAM	System RAM Edit Factory use only. When you need to change the RAM values please consult with MGCS Engineering department.
3	PRINT RAM DATA	RAM Data Printout Function Parameter list in Test Mode 1 and RAM data in Test Mode 2 will be printed.
4	CIS TEST	CIS Test Document scanning mechanism and electrical circuit will be tested by scanning a document and checking the output signal from the CIS.
5	XMT TEST TONE	Tonal Signal Generation Modem function will be tested by sending fax signals.
6	RAM INITIALIZE	RAM Initialization Reset or clear the RAM data.
7	XMT DTMF TONE	DTMF Signal Generation Modem functioning will be tested by sending DTMF signals.
8	NOT USED	
9	MEMORY TEST	To check the Memory.
10	LCD & LED	LCD and LED Test LCD and LED will be tested by lighting them.
11	ID SET	ID No. Setting ID No. can be entered by this mode. This test mode is only for the countries where service personnel is to enter the ID No.
12 ~ 13	NOT USED	
14	COPY MODE SET	Copy Mode Factory use only
15	CIS TRAINING	CIS Training This test mode must be done after CIS or SC PC Board was replaced.

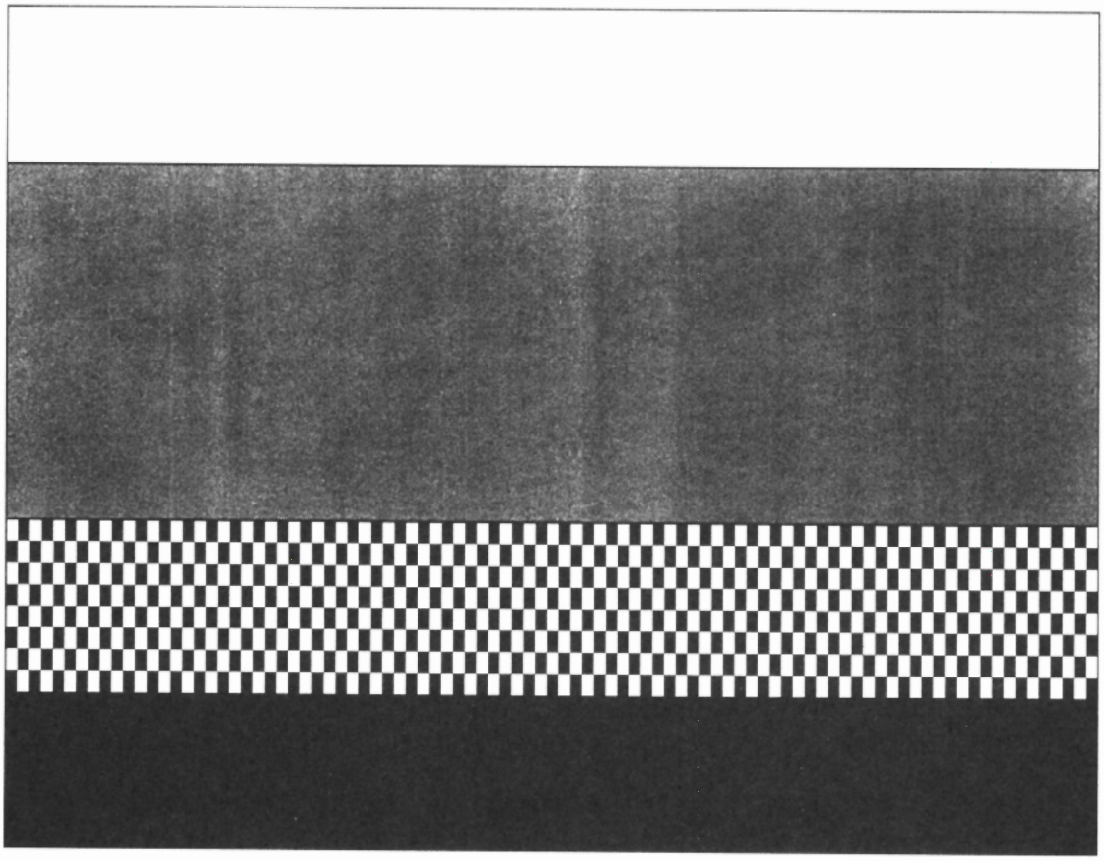
5.2 Test Mode 0 : Print a Test Pattern

A test pattern is printed by following the procedure below.

Test Mode 0 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or"**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**0**" and "**START/SET**".	`* PRINTING *`
5	After printing, the display returns to step 3 above.	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

Test Pattern



5.3 Test Mode 1: Function Parameter

Function Parameter settings are changed by following the procedure below.

Test Mode 1 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**1**", and "**START/SET**".	`PARAMETER NO.(< >)`
5	To select the parameter you want to change, enter a 2-digit code listed in the Function Parameter Table or scroll the display by pressing the "**<**" or "**>**" button . Example : Changing "**Redial Interval**" Press "**5**", "**2**", and "**START/SET**"	`REDIAL INT.:180S`
6	Pressing "**<**" or "**>**" button to select the desired setting.	`REDIAL INT.:120S`
7	Press "**START/SET**" and the new setting will be stored. Display will show the next parameter.	`REDIAL COUNT :02`
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

Note: Key function

"**START/SET**"	:The new setting value is stored in the machine.
"**>**"	: Scroll the Function Parameter No. and select the settings.
"**<**"	: Scroll the Function Parameter No. and select the settings.
"**CLEAR**"	: Back to Step 4 screen.

Function Parameter

No.	Parameter	Selections	Default Value	Description
1 ~ 2	NOT USED			
03	TX JAM CHECK	OFF	ON	Document length determined as a jam Off :Unlimited length On :Up to 1m
		ON		
04	HEADER PRINT	IN	IN	Header printing position In :Inside of the original picture area None :No header Out :Outside of the original picture area
		NONE		
		OUT		
05 ~ 09	NOT USED			
10	RX JAM CHECK	OFF	ON	Maximum length of recording Off :Unlimited length On :Up to 2m
		ON		
12 ~ 19	NOT USED			
20	TX ATT	-00 dBm	-09 dbm (Note 1)	Transmission signal output level Highest :-00dBm Lowest :-15dBm
		-01 dBm		
		~		
		-15 dBm		
21	RX ATT	-33 dBm	-43 dbm (Note 2)	Receiving sensitivity Lowest :-33dBm Highest :-48dBm
		-38 dBm		
		-43 dBm		
		-48 dBm		
22	TX START	9600 bps	9600 bps	Modem starting speed in transmission
		7200 bps		
		4800 bps		
		2400 bps		
23	RX START	9600 bps	9600 bps	Modem starting speed in reception
		7200 bps		
		4800 bps		
		2400 bps		
24	G3 RX EQL	0 dB	4 dB	Cable equalizer in G3 reception mode
		4 dB		
		8 dB		
		12 dB		

Note 1 : May vary depending on country

Note 2 : Germany is -48 dBm.

Function Parameter

No.	Parameter	Selections	Default Value	Description
25	G3 TX EQL	0 dB 4 dB 8 dB 12 dB	8 dB	Cable equalizer in G3 transmission mode
26	CED & 300	75 ms 500 ms 1000 ms	75 ms	Pause time between CED and NSF/CSI/DIS signal
27	COMM. STRT	Ist DIS 2nd DIS	1st DIS	Communication start up condition 1st DIS :Starting up with the first reception of the NSF and DIS. 2nd DIS :Starting up with the second reception of the NSF and DIS.
28	EP TONE	OFF NSTD-C NSTD-B & C ALL-C ALL-B & C	OFF	Echo protect tone on V.29 mode
29	TCF	100ms+1s 100ms+1.2s 200ms+1s 200ms+1.2s	200ms+1.2s	The TCF signal discard and checking time
30	NON-STANDARD	OFF ON	ON	NSF and NSS signal transmission Off :G3 standard mode On :G3 non-standard mode
31	CSI TX	OFF ON	ON	CSI signal transmission Off :Not transmitted On :Transmitted
32	TSI/CIG TX	OFF ON	ON	TSI and CIG signal transmission Off :Not transmitted On :Transmitted
34	S-PROTOCOL	OFF (B)	(B)	Short Protocol B Off :Not used (B) :Used
35	MWS	Off TYPE 1 TYPE 1 & 2	Type 1 & 2	Matsushita White Skip function Off :Not selected Type 1 :MWS Type 1 is selected. Type 1& 2 :MWS Type 1 & 2 are selected.
38	SELECT RCV	OFF ON	OFF	Selective Reception mode Compare the last 4 digits of the calling station's ID with the last 4 digits of each speed dialing station. Off :Not check On :Check

Fanction Parameter

No.	Parameter	Selections	Default Value	Description
39	ERR LINE CNT	32 lines	64 lines	Error Line Counter When the machine detects the error lines equal to or more than the line number set, the machine will disconnect the line.
		64 lines		
		96 lines		
		128 lines		
		160 lines		
		192 lines		
		244 lines		
		255 lines		
40	ERR LINE %	5 %	10 % (Note 1)	Error Line percentage When the machine detects the error lines equal to or more than the percentage set, the machine will disconnect the line.
		10 %		
		15 %		
		20 %		
41	ERR DETECT	CNT	CNT (Note 2)	Error detection method CNT :Determined by the Error Line Counter. % :Determined by the Error Line percentage.
		%		
42	NOT USED			
43	DC LOOP	OFF	OFF	Checking DC Loop Off :Check DC Loop On :Not check
		ON		
44	MONITOR	OFF	OFF	Monitoring the communication protocol through the speaker Off :Not selected On :Protocol will be heard through the speaker.
		ON		
46	L.P.A TIME	0S	5S	Period to generate alarm for the last page
		1S		
		~		
		15S		
47 ~ 48	NOT USED			
49	FLASH TIME	80 ms	80 ms (Note 3)	Period of Flash on the line when Flash key is pressed.
		100 ms		
		~		
		500 ms		
50	BREAK RATIO	0%	56%	Dial Pulse Break Ratio The number entered will be the Break Ratio.
		1%		
		~		
		98%		

Note 1 : The Netherlands is 5 %.

Note 2 : Germany and the Netherlands is %.

Note 3 : May vary depending on country.

Function Parameter

No.	Parameter	Selections	Default Value	Description
51	FLASH KEY	FLASH	FLASH	Flash and Earth key function Flash :Flash key function is selected. Earth :Earth key function is selected.
		EARTH		
52	REDIAL INT.	30 s	180 sec.	Automatic Redial interval The machine will redial automatically with the interval set if the called station is busy.
		60 s		
		120 s		
		180 s		
53	REDIAL COUNT	0	5 times (Note 1)	Automatic Redial number Automatic Redial will be tried by the number set up to 98 times.
		1 time		
		~		
		98 times		
55	BUSY TONE CK	OFF	ON (Note 1)	Busy Tone detection Off :Not check On :Check
		ON		
56	DIAL TONE CK	OFF	ON (Note 2)	Dial Tone detection Off :Not check On :Check
		ON		
57	PBX. DT. CK	OFF	OFF (Note 2)	PBX Dial Tone detection Off :Not check On :Check
		ON		
58	VOICE SNS	-33 dBm	-43dBm (Note 3)	Receiving sensitivity for voice
		-38 dBm		
		-43 dBm		
		-48 dBm		
60	RMT RX TMG	50 ms	50 ms	Monitoring duration of DTMF in Remote Reception Monitoring duration of DTMF generated by an external telephone in Remote Reception.
		80 ms		
		110 ms		
		140 ms		
		170 ms		
		200 ms		
61	RMT RX DIGIT	2	2	No. of digit for Remote Reception Code 2 :2 digits 4 :4 digits
		4		
62	RMT RX CODE	00 ~ 99, **, ##	**	Remote Reception Code Preset Remote Reception Code.

Note 1 : May vary depending on country

Note 2 : No function depending on country

Note 3 : Germany is -48 dBm.

Function Parameter

No.	Parameter	Selections	Default Value	Description
63	DTMF DETECT	OFF	ON	DTMF detection in Remote Reception Detect DTMF generated by the external telephone set while the calling and called parties are talking over the telephone. Off :DTMF will be ignored. On :DTMF will be detected.
		ON		
64	RMT CONTROL	OFF	ON	Remote Control for built-in TAM and External TAM Off :Invalid Remote Control On :Remote Control for the built-in TAM
		ON		
65	SILENT TIME	00 sec.	6 sec.	Monitoring duration of the incoming voice. If External TAM mode is selected and no incoming voice is detected during the period set, the machine will start Fax reception process. Select the desired duration according to the External TAM specifications.
		01 sec.		
		~		
		15 sec.		
67	VOICE TX	-0 dBm	-6 dBm	OGM output level
		-1 dBm		
		~		
		-15 dBm		
68 ~ 69	NOT USED			
71	REMOTE DIAG	OFF	ON	Remote Diagnostic Mode Off :Not accept the diagnosis On :Allow the center station to diagnose
		ON		
72	DIAG CODE			Remote Diagnostic Password Enter 4 digit password
73 ~ 80	NOT USED			

Note : The default setting of parameters may vary depending on the country's specifications or regulations. Print the Function Parameter List to confirm the default settings. (See Test Mode 3 : RAM Data Printout.)

5.4 Test Mode 2 : System RAM Edit

RAM data can be changed by following the procedure below. However, please do not change any data in this Test Mode 2 unless you are informed the correct meaning of each RAM data.

Test Mode 2 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	12-JUL 15:00
2	Press "**<**" or "**>**".	FUNCTION MODE?
3	Press "**#**", "*****", "**#**" and "**#**".	TEST MODE(< >)
4	Press "**0**" "**2**" and "**START/SET**".	#000 [ ] =
5	Enter the RAM address you want to change.	
6	Enter the new RAM data and press "**START/SET**".	
7	Repeat the step 5 to 6 if you want to change any other RAM data.	
8	Press "**STOP**" twice to return to standby.	12-JUL 15:00

5.5 Test Mode 3 : RAM Data Printout

Function Parameter List and the settings in Test Mode 1 and RAM data in Test Mode 2 can be printed by following the procedure below.

Test Mode 3 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**3**" and "**START/SET**".	`* PRINTING *`
5	After printing, the display returns to step 3 above.	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

5.6 Test Mode 4 : CIS Test

Document scanning will be started by following procedure below.

Test Mode 4 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "**0**" "**4**" and "**START/SET**" to light up LED Array. Set document on the Document Guide and press "**START**". The machine will start scanning the document.	`CIS TEST`
5	Press "**STOP**" to stop the feeding of the document. The machine is still scanning the document. Check the output signal sent from CIS.	`CIS TEST`
6	Press "**START/SET**" to restart feeding the document.	`CIS TEST`
7	Repeat step 4 to 6 to check the signal if necessary.	`CIS TEST`
8	Press "**STOP**" twice and the display will return to standby.	`12-JUL 15:00`

5.7 Test Mode 5 :Tonal Signal Generation

The following signals listed in the Tonal signal table can be send from the machine by following the procedure below.

Test Mode 5 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**5**" and then press "**START/SET**".	`TONE = 9600 bps OFF`
5	Enter the signal No you want to generate. (see Tonal signal table below.) Example : **V27ter 4800bps** Enter "**3**", or scroll the display by pressing "**<**" or "**>**".	`TONE = 4800 bps OFF`
6	Press "**START/SET**" and the signal will be sent out.	`TONE = 4800 bps ON`
7	Press "**STOP**" to end the signal generation. To select another signal, repeat step 5.	`TONE = 4800 bps OFF`
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

Tonal Signal Table

Key Button	Signals	Display
1	V29 9600bps Data (mark : 1)	`TONE = 9600 bps OFF`
2	V29 7200bps Data (mark : 1)	`TONE = 7200 bps OFF`
3	V27ter 4800 bps Data (mark : 1)	`TONE = 4800 bps OFF`
4	V27ter 2400bps Data (mark : 1)	`TONE = 2400 bps OFF`
5	300bps Flag pattern	`TONE = 300 bps OFF`
6	1100Hz	`TONE = 1100 Hz OFF`
7	1300Hz	`TONE = 1300 Hz OFF`
8	1400Hz	`TONE = 1400 Hz OFF`
9	1650Hz	`TONE = 1650 Hz OFF`
0	2100Hz	`TONE = 2100 Hz OFF`
*	1850Hz	`TONE = 1850 Hz OFF`
#	LINE	`TONE = LINE OFF`

5.8 Test Mode 6 : RAM Initialization

RAM data is initialized or cleared by following the procedure below.

Test Mode 6 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "0" "6" and then press "**START/SET**".	`RAM INITIALIZE`
5	Press the dial number (2-digits) to select the initialize mode. (See below)	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

RAM Initialization

Key Button	Description
*	Parameter initialize. RAM settings in Test Mode 1 and Test Mode 2 will be initialized to the default settings.
1, 0	Logo and ID settings will be cleared.
1, 3	One-Touch and Directory Nos. will be cleared.
1, 4	Passwords, Message Transfer Station Nos, Diagnostic Codes will be cleared.
9, 9	Shipment set Delete and initialize all RAM data. (See Note 1)

Note 1: This operation should be performed when the machine is installed.

5.9 Test Mode 7 : DTMF Signal Generation

DTMF (Dual Tone Multi-Frequency) signal is generated by following the procedure below.

Test Mode 7 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**7**" and "**START/SET**".	`[0] 941 & 1336 OFF`
5	Press a key button to select the DTMF signal. (See below) Example : 770 & 1209 Hz Press "**4**".	`[4] 770 & 1209 OFF`
6	Press "**START/SET**", then the DTMF signal is sent.	`[4] 770 & 1209 ON`
7	Press "**STOP**" and the DTMF signal will be stopped.	
8	To test other signals, repeat step 5 to 7.	
9	Press "**STOP**" twice and the display will return to standby.	`12-JUL 15:00`

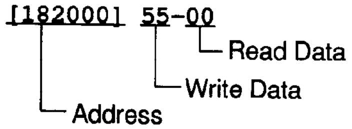
DTMF Signal

Key Button	DTMF	Display
1	697 & 1209 Hz	`[1] 697 & 1209 OFF`
2	697 & 1336 Hz	`[2] 697 & 1336 OFF`
3	697 & 1477 Hz	`[3] 697 & 1477 OFF`
4	770 & 1209 Hz	`[4] 770 & 1209 OFF`
5	770 & 1336 Hz	`[5] 770 & 1336 OFF`
6	770 & 1477 Hz	`[6] 770 & 1477 OFF`
7	852 & 1209 Hz	`[7] 852 & 1209 OFF`
8	852 & 1336 Hz	`[8] 852 & 1336 OFF`
9	852 & 1477 Hz	`[9] 852 & 1477 OFF`
0	941 & 1336 Hz	`[0] 941 & 1336 OFF`
*****	941 & 1209 Hz	`[*] 941 & 1209 OFF`
#	941 & 1477 Hz	`[#] 941 & 1477 OFF`

5.10 Test Mode 9 : Memory Test

This test mode is used to check RAM by writing and redialing.

Test Mode 9 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "0" "9" and "**START/SET**".	`MEMORY TEST`
5a	"**PASS**" displays when the writing and redialing of RAM data is finished.	`PASS`
5b	If any data error exsists, the display shows the segment and data.	 `[182000] 55-00`
6	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.11 Test Mode 10 : LCD and LED Test

LCD and LED are lit by following the procedure below.

Test Mode 10 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**0**", and "**START/SET**".	`LCD & LED TEST`
5	Press "**START/SET**" and all digits on LCD and LEDs will be lit.	■■■■■■■■■■■■■■■■
6	Press "**START/SET**" to turn off LCD and LEDs	
7	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.12 Test Mode 11 : ID No Setting

This test mode is only for the countries where service personnel is to enter the ID number. If the operation of entering the ID number is not listed in the User's Guide attached, follow the procedure below to enter the ID number.

Test Mode 11 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**1**", and "**START/SET**".	`TEL:■`
5	Enter the telephone number. (Max. 20 digits)	`TEL:1234567■`
6	Press "**START/SET**".	`TEST MODE(< >)`
7	Press "**STOP**" to return to standby.	`12-JUL 15:00`

5.13 Test Mode 15 : CIS Training

In case of CIS, it is required to measure and store AGC data of shading and halftone into flash memory by this Test Mode due to no white level for scanning.

Test Mode 15 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**5**" and "**START/SET**".	`CIS TRAINING?`
5	Set blank document with white background.	`CIS TRAINING?`
6	Press "**START/SET**". The machine starts scanning the document.	`CIS TRAINING`
7	Press "**STOP**" to return to standby.	`12-JUL 15:00`

Note : This Test Mode 15 have to operate when CIS or SC PC Board has been replaced or F-ROM of SC PC Board has been initialized.

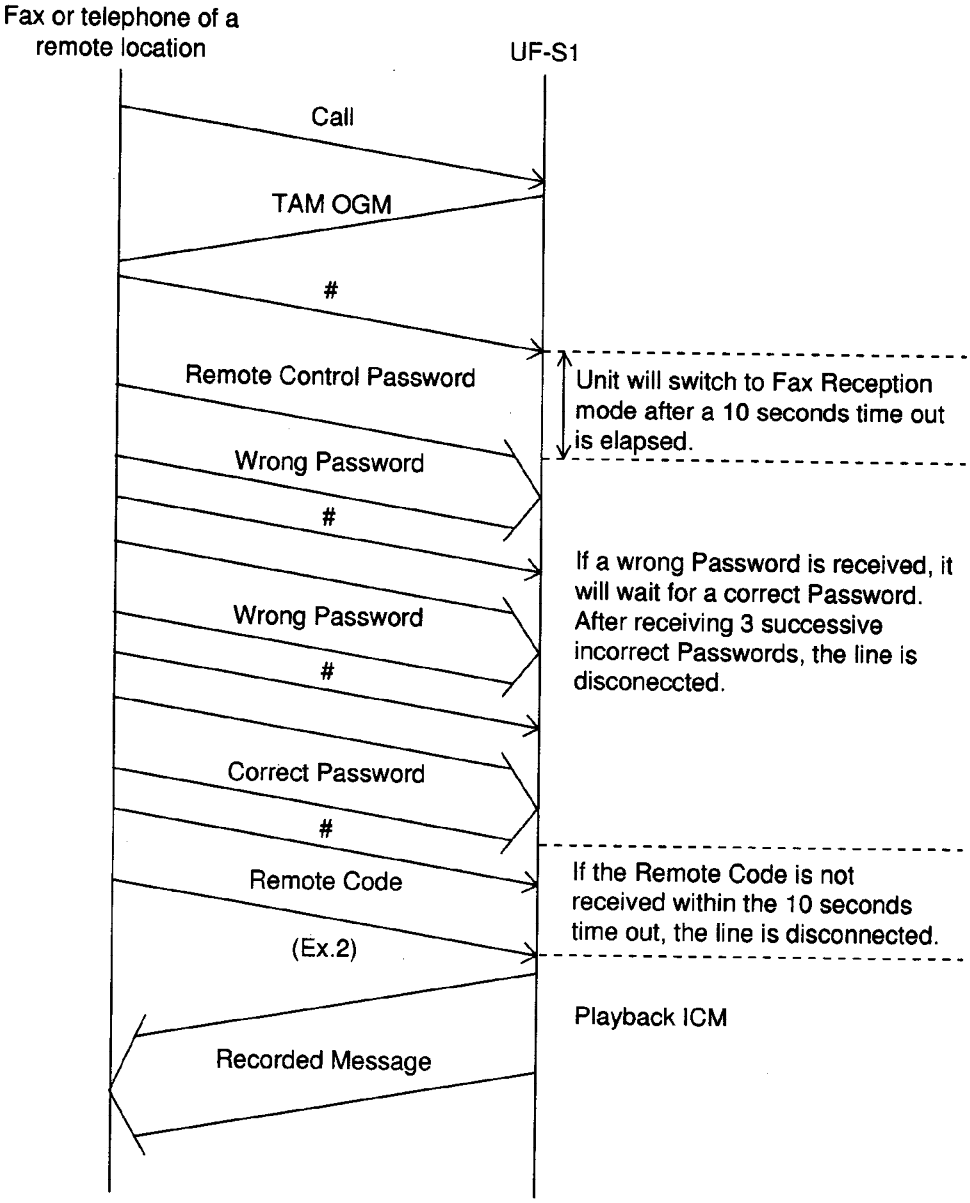
6.13 Remote Control Feature

(1)

This function permits the retrieval of recorded messages or fax documents by sending remote commands from the remote location to the UF-S1.
Note that this function will only work with touch tone dialing from either a fax machine or a telephone.

The procedure for the Remote Control feature is illustrated below and the Remote Control Codes are indicated on the next page.

(2) Basic Procedure


Fax or telephone of a remote location
UF-S1
Call
TAM OGM
#
Remote Control Password
Unit will switch to Fax Reception mode after a 10 seconds time out is elapsed.
Wrong Password
#
If a wrong Password is received, it will wait for a correct Password. After receiving 3 successive incorrect Passwords, the line is disconeccted.
Wrong Password
#
Correct Password
#
Remote Code
If the Remote Code is not received within the 10 seconds time out, the line is disconnected.
(Ex.2)
Playback ICM
Recorded Message

(3) Remote Control Code Table

Function Name	Command Code	Sub. Code	Function
Skip Message (I<<)	1	-	Skip to the beginning of the previous message.
Playback Message	2 #	-	Plays back from the first message.
Skip Message (>>I)	3	-	Skips to the beginning of the next message.
Erase Greeting Messages	41#	-	Erases the Greeting messages.
Record Greeting Message	42 #	-	Records a personal greeting message.
Erase All Messages	6#	-	Erases all the recorded messages.
OUT Mode	0 #	-	Switches to the OUT mode.
IN Mode	* #	-	Switches to the IN mode.

Chapter 7
Exploded View & Parts List

Country Code	Country
AA	Austria
AB	U.K.
AC	Canada
AD	Denmark
AE	Taiwan
AF	Finland
AG	Germany
AH	Holland
EE	Italy
AJ	Spain
AK	Hong Kong
AL	Australia
AM	Switzerland
AN	Norway
AP	Portugal
AQ	Ireland
AR	Belgium

Country Code	Country
AS	Sweden
AT	Turkey
AV	France
AW	New Zealand
YA	Central &South America (200V)
YC	Others (200V)
YJ	Checo, Slovakia
YL	Brazil (100V)
YM	Malaysia
YQ	Brazil (200V)
YS	Saudi Arabia
YT	Thailand
YV	China
YW	South Affica
YX	Singapore
YY	Central & South America (100V)

All parts for this product are supplied from Singapore factory.

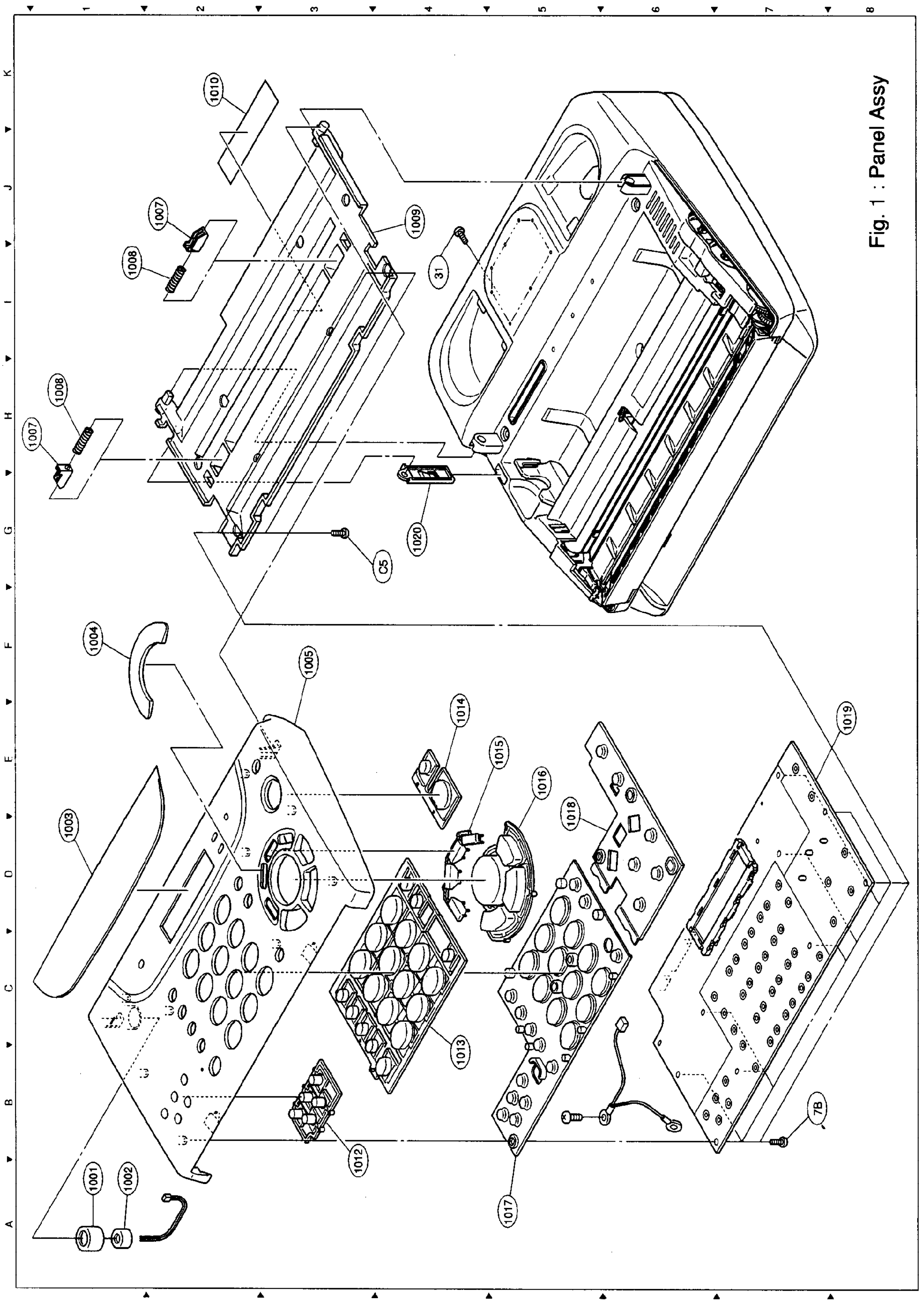

1001
1002
1003
1004
1005
1007
1008
1007
1008
1009
1010
1012
1013
1014
1015
1016
1017
1018
1019
1020
C5
31
7B
A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
6
7
8

Fig. 1 : Panel Assy

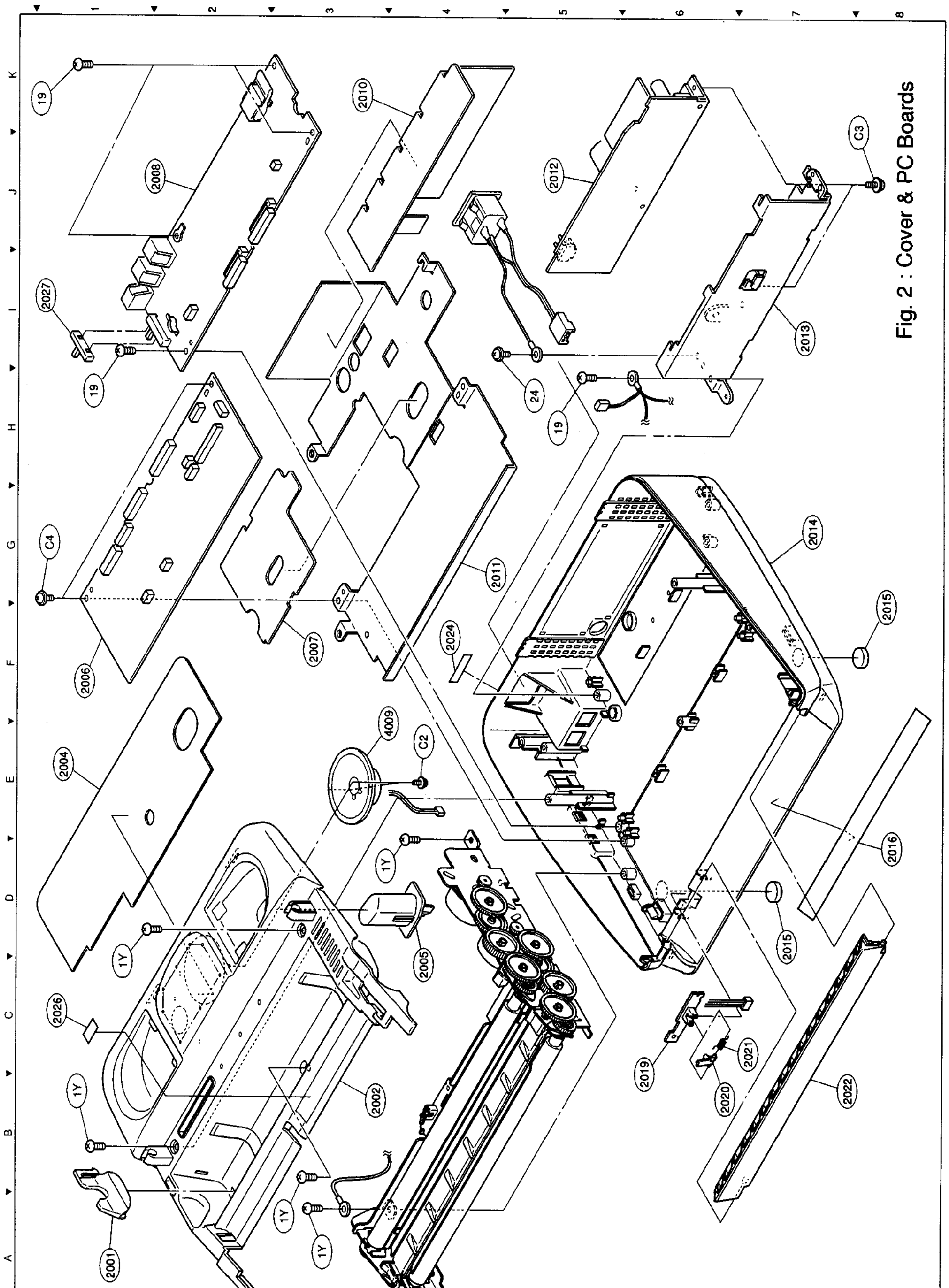

1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
K
19
2008
2027
19
2010
2012
C3
2013
24
19
2006
C4
2007
2011
2014
2015
2024
2004
4009
C2
1Y
2005
2016
2015
2026
1Y
2002
2019
2021
2020
2022
1Y
1Y
1Y
2001

Fig. 2 : Cover & PC Boards

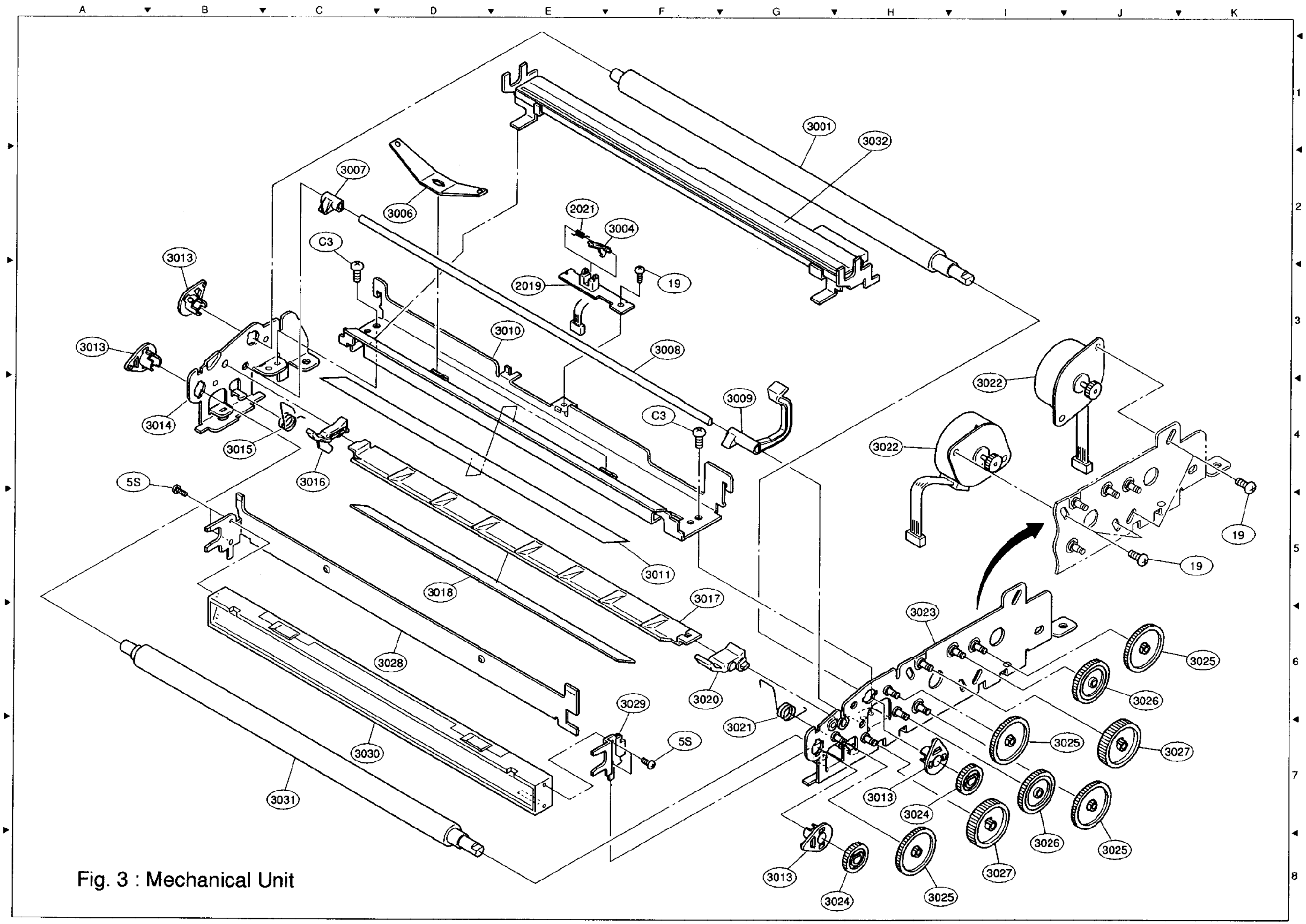

A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
6
7
8
3001
3032
3007
3006
2021
3004
C3
3013
2019
19
3010
3008
3013
3022
3009
3014
C3
3022
3015
3016
5S
19
19
3011
3018
3017
3023
3025
3028
3026
3020
3029
3025
3027
3021
5S
3030
3013
3024
3031
3026
3025
3027
3013
3025
3024

Fig. 3 : Mechanical Unit

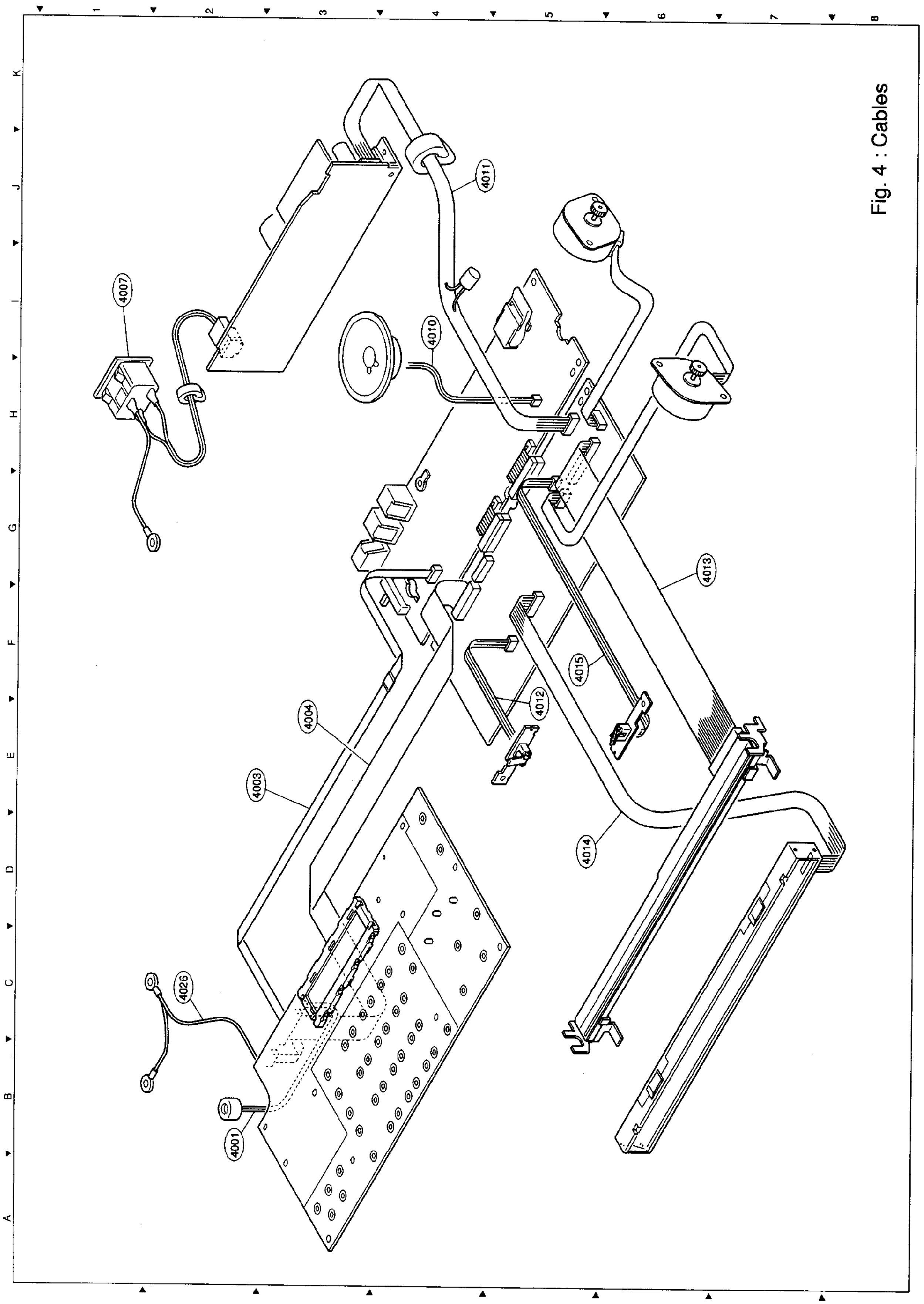

A
B
C
D
E
F
G
H
I
J
K

Fig. 4 : Cables

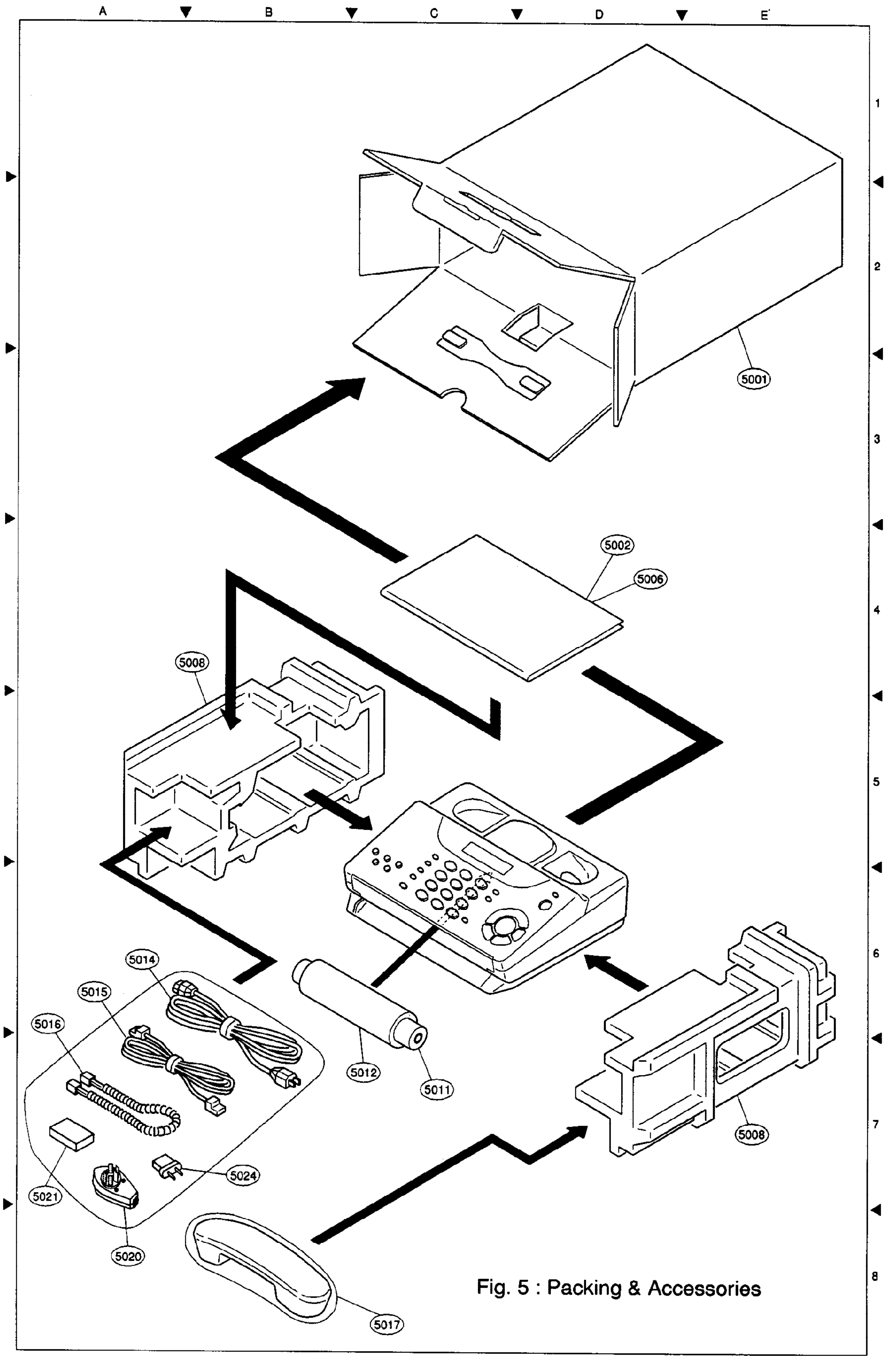

A
B
C
D
E
1
2
3
4
5
6
7
8
5001
5002
5006
5008
5014
5015
5016
5012
5011
5008
5021
5024
5020
5017

Fig. 5 : Packing & Accessories

7.1 Panel Assy (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
1001	DZJC000091	MIC HOLDER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1002	DZDS000003	MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1003	DZNA000162	LCD WINDOW		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	1D
1003	DZNA000170	LCD WINDOW		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000171	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1D
1003	DZNA000172	LCD WINDOW		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1D
1003	DZNA000173	LCD WINDOW		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1D
1004	DZNA000166	LED WINDOW		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	1F
1004	DZNA000178	LED WINDOW		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
1004	DZNA000179	LED WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
1004	DZNA000180	LED WINDOW		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
1004	DZNA000181	LED WINDOW		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
1005	DZMA000131	COVER,PANEL		-	-	-	1	1	1	-	1	-	-	1	1	1	1	-	1	1	3F
1005	DZMA000164	COVER,PANEL		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000165	COVER,PANEL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3F
1005	DZMA000166	COVER,PANEL		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3F
1005	DZMA000167	COVER,PANEL		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3F
1005	DZMA000170	COVER,PANEL		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000176	COVER,PANEL		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1007	DZMG000014	LATCH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 2J
1008	DZKN000075	SPRING, COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1I
1009	DZJA000161	CHASSIS,UPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
1010	DZNK000217	LABEL,PAPER SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2K
1012	DZKB000091	BUTTON C		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
1013	DZKB000089	BUTTON B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
1014	DZKB000094	BUTTON D		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	4E
1014	DZKB000114	BUTTON D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4E
1014	DZKB000115	BUTTON D		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4E
1014	DZKB000116	BUTTON D		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4E
1015	DZTE000010	LED LENS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1016	DZKB000086	BUTTON A		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	5E
1016	DZKB000105	BUTTON A		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	5E
1016	DZKB000106	BUTTON A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	5E
1016	DZKB000107	BUTTON A		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	5E
1016	DZKB000108	BUTTON A		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5E
1017	DZKM000005	SHEET,CLICK B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5A
1018	DZKM000004	SHEET,CLICK A		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1019	DZYC0580	PC BOARD W/COMPONENT,PNL	x	1	-	1	1	1	1	1	1	-	1	1	1	1	1	-	1	1	8E
1019	DZYC0581	PC BOARD W/COMPONENT,PNL	x	-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	8E
1020	DZJM000087	S STOPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
C5	XTB26+10J	SCREW		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4G
31	XSB4+10BN	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
7B	XTB26+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B

Panel Assy (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
1001	DZJC000091	MIC HOLDER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1002	DZDS000003	MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1003	DZNA000162	LCD WINDOW		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	1D
1003	DZNA000171	LCD WINDOW		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1D
1003	DZNA000174	LCD WINDOW		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000175	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1D
1004	DZNA000166	LED WINDOW		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	1F
1004	DZNA000179	LED WINDOW		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1F
1004	DZNA000182	LED WINDOW		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
1004	DZNA000183	LED WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
1005	DZMA000131	COVER,PANEL		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	3F
1005	DZMA000165	COVER,PANEL		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	3F
1005	DZMA000168	COVER,PANEL		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000169	COVER,PANEL		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3F
1007	DZMG000014	LATCH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 2J
1008	DZKN000075	SPRING, COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1I
1009	DZJA000161	CHASSIS,UPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
1010	DZNK000217	LABEL,PAPER SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2K
1012	DZKB000091	BUTTON C		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
1013	DZKB000089	BUTTON B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
1014	DZKB000094	BUTTON D		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	4E
1014	DZKB000114	BUTTON D		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	4E
1014	DZKB000117	BUTTON D		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4E
1014	DZKB000118	BUTTON D		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4E
1015	DZTE000010	LED LENS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1016	DZKB000086	BUTTON A		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	5E
1016	DZKB000106	BUTTON A		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	5E
1016	DZKB000109	BUTTON A		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5E
1016	DZKB000110	BUTTON A		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5E
1017	DZKM000005	SHEET,CLICK B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5A
1018	DZKM000004	SHEET,CLICK A		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1019	DZYC0580	PC BOARD W/COMPONENT,PNL	x	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	8E
1019	DZYC0581	PC BOARD W/COMPONENT,PNL	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	8E
1020	DZJM000087	S STOPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
31	XSB4+10BN	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
7B	XTB26+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B

7.2 Cover & PC Boards (1/4)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
2001	DZME000009	SEPERATOR		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
2002	DZMA000128	COVER,CRADLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
2004	DZHD000003	AL SHEET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1E
2005	DZKB000083	BUTTON,HOOK		1	-	1	1	1	1	1	1	-	1	1	1	1	1	-	1	1	4D
2005	DZKB000125	BUTTON,HOOK		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	4D
2006	DZYC0565AA	PC BOARD W/COMPONENT,SC	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AB	PC BOARD W/COMPONENT,SC	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AC	PC BOARD W/COMPONENT,SC	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AD	PC BOARD W/COMPONENT,SC	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AE	PC BOARD W/COMPONENT,SC	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AF	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AG	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AH	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565EE	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AJ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
2006	DZYC0565AK	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1F
2006	DZYC0565AL	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1F
2006	DZYC0565AM	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1F
2006	DZYC0565AN	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
2006	DZYC0565AP	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
2006	DZYC0565AQ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1F
2006	DZYC0565RAR	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1F
2007	DZHA000054	SHEET,EMI2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
2008	DZYC0568E	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568F	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568J	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2J
2008	DZYC0568L	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2J
2008	DZYC0568N	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2J
2008	DZYC0568Q	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2J
2008	DZYC0568R	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2J
2008	DZYC0568U	PC BOARD W/COMPONENT,NCU	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568H	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0591B	PC BOARD W/COMPONENT,NCU	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0591EE	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2J
2008	DZYC0569K	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2J
2008	DZYC0591P	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2J
2008	DZYC0570A	PC BOARD W/COMPONENT,NCU	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570D	PC BOARD W/COMPONENT,NCU	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570G	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570M	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2J
2010	DZJE000072	POW CAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3K
2011	DZJA000162	CHASSIS,EMI		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
2012	ETXDN014A3A	POWER SUPPLY UNIT 100V		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	5J
2012	ETXDN014E3A	POWER SUPPLY UNIT 200V		1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	5J
2013	DZJA000159	CHASSIS,POWER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7I

Cover & PC Boards (2/4)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
2001	DZME000009	SEPERATOR		1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	-	1A
2002	DZMA000128	COVER,CRADLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
2004	DZHD000003	AL SHEET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1E
2005	DZKB000083	BUTTON,HOOK		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4D
2005	DZKB000125	BUTTON,HOOK		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
2006	DZYC0565AS	PC BOARD W/COMPONENT,SC	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AT	PC BOARD W/COMPONENT,SC	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AV	PC BOARD W/COMPONENT,SC	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AW	PC BOARD W/COMPONENT,SC	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YA	PC BOARD W/COMPONENT,SC	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YC	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YJ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YL	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YM	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
2006	DZYC0565YQ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1F
2006	DZYC0565YS	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1F
2006	DZYC0565YT	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1F
2006	DZYC0565YW	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
2006	DZYC0565YX	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1F
2006	DZYC0565YY	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1F
2006	DZYC0565RYV	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
2007	DZHA000054	SHEET,EMI2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
2008	DZYC0568S	PC BOARD W/COMPONENT,NCU	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568T	PC BOARD W/COMPONENT,NCU	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568YW	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2J
2008	DZYC0568YX	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2J
2008	DZYC0568YC	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	2J
2008	DZYC0568YL	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2J
2008	DZYC0568YM	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2J
2008	DZYC0568YY	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2J
2008	DZYC0591W	PC BOARD W/COMPONENT,NCU	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0569YV	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2J
2008	DZYC0570YJ	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0571	PC BOARD W/COMPONENT,NCU	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2010	DZJE000072	POW CAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3K
2011	DZJA000162	CHASSIS,EMI		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
2012	ETXDN014A3A	POWER SUPPLY UNIT 100V		-	-	-	-	-	-	-	1	-		-	-	-	-	-	1	5J
2012	ETXDN014E3A	POWER SUPPLY UNIT 200V		1	1	1	1	1	1	1		1	1	1	1	1	1	1	-	5J
2013	DZJA000159	CHASSIS,POWER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7I
2014	DZMA000126	COVER,BASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
2015	DZMM000007	RUBBER FOOT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2016	DZNK000236	LABEL,GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2019	DZYC0584	PC BOARD W/COMPONENT,SEN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6C
2020	DZHC000030	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6B
2021	DZKN000074	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C

Cover & PC Boards (3/4)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
2014	DZMA000126	COVER,BASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
2015	DZMM000007	RUBBER FOOT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2016	DZNK000236	LABEL,GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2019	DZYC0584	PC BOARD W/COMPONENT,SEN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6C
2020	DZHC000030	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6B
2021	DZKN000074	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
2022	DZMC000077	COVER,FRONT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B
2024	DZNK000260	LABEL,ACIN		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4F
2024	DZNK000261	LABEL,ACIN		1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4F
2026	DZNK000255	LABEL,WARNING,HIGH TEMP		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1C
2027	DZKA000001	KNOB,SLIDE		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1I
4009	DZDR000011	SPEAKER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1K, 5H
24	XYN4+F8	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5H
1Y	XTB3+10J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1B, 1C, 3A, 3D
C2	DZPB000020	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8K
C4	DZPD000003	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G

Cover & PC Boards (4/4)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
2022	DZMC000077	COVER,FRONT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B
2024	DZNK000260	LABEL,ACIN		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	4F
2024	DZNK000261	LABEL,ACIN		1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	-	4F
2027	DZKA000001	KNOB,SLIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1I
4009	DZDR000011	SPEAKER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1K, 5H
24	XYN4+F8	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5H
1Y	XTB3+10J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1B, 1C, 3A, 3D
C2	DZPB000020	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8K
C4	DZPD000003	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G

7.3 Mechanical Unit (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
3001	DZLA000085	ROLLER RECORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G
3004	DZHC000031	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2F
3006	DZKP000079	SPRING,PLATE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2D
3007	DZKJ000003	CAM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C
3008	DZKG000032	SHAFT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
3009	DZKL000009	LEVER,RELEASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
3010	DZJA000158	CHASSIS,HEADSP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
3011	DZNK000241	PAPER GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
3013	DZLM000046	BUSH,P6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B, 3A, 7H, 8G
3014	DZJA000156	BRACKET L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3015	DZKQ000002	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3016	DZKL000010	GUIDE LEVER L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
3017	DZJF000169	CHASSIS, PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3020	DZKL000011	GUIDE LEVER R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3021	DZKQ000003	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
3022	35S1N15DCNX	STEPPING MOTOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4H, 4I
3023	DZJA000157	BRACKET R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6H
3024	DZLF000136	D GEAR,B29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7H, 8H
3025	DZLF000133	F GEAR,B49B19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6K, 7J, 8H, 8J
3026	DZLF000134	F GEAR,B44		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6J, 8I
3027	DZLF000135	F GEAR,B47		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7J, 8I
3028	DZJC000083	CIS PLATE L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6D
3029	DZJC000084	CIS PLATE R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3030	DZAL000038	CIS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3031	DZLA000084	ROLLER,SCANNER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3032	DZHT000016	ASSY,THERMAL HEAD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F, 5K
5S	XTB2+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4A, 7F
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C, 4F

Mechanical Unit (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
3001	DZLA000085	ROLLER RECORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G
3004	DZHC000031	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2F
3006	DZKP000079	SPRING,PLATE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2D
3007	DZKJ000003	CAM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C
3008	DZKG000032	SHAFT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
3009	DZKL000009	LEVER,RELEASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
3010	DZJA000158	CHASSIS,HEADSP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
3011	DZNK000241	PAPER GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
3013	DZLM000046	BUSH,P6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B, 3A, 7H, 8G
3014	DZJA000156	BRACKET L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3015	DZKQ000002	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3016	DZKL000010	GUIDE LEVER L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
3017	DZJF000169	CHASSIS, PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3020	DZKL000011	GUIDE LEVER R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3021	DZKQ000003	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
3022	35S1N15DCNX	STEPPING MOTOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4H, 4I
3023	DZJA000157	BRACKET R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6H
3024	DZLF000136	D GEAR,B29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7H, 8H
3025	DZLF000133	F GEAR,B49B19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6K, 7J, 8H, 8J
3026	DZLF000134	F GEAR,B44		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6J, 8I
3027	DZLF000135	F GEAR,B47		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7J, 8I
3028	DZJC000083	CIS PLATE L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6D
3029	DZJC000084	CIS PLATE R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3030	DZAL000038	CIS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3031	DZLA000084	ROLLER,SCANNER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3032	DZHT000016	ASSY,THERMAL HEAD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F, 5K
5S	XTB2+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4A, 7F
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C, 4F

7.4 Cables (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
4001	DZFP000176	CABLE,MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B
4003	DZFP000167	FFC,PNL1		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	3E
4004	DZFP000168	FFC,PNL2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
4007	DZFA000015	ASSY,INLET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1I
4010	DZFP000171	CABLE,SP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
4011	DZFP000189	ASSY,FS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
4012	DZFP000174	CABLE,RPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4013	DZFP000166	CABLE,TH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6G
4014	DZFP000165	CABLE,IMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5D
4015	DZFP000173	CABLE,SPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4026	DZFP000190	CABLE,FG4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C

Cables (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
4001	DZFP000176	CABLE,MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B
4003	DZFP000167	FFC,PNL1		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3E
4004	DZFP000168	FFC,PNL2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
4007	DZFA000015	ASSY,INLET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1I
4010	DZFP000171	CABLE,SP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
4011	DZFP000189	ASSY,FS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
4012	DZFP000174	CABLE,RPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4013	DZFP000166	CABLE,TH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6G
4014	DZFP000165	CABLE,IMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5D
4015	DZFP000173	CABLE,SPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4026	DZFP000190	CABLE,FG4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C

7.5 Packing & Accessories (1/3)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
5001	DZRB000058	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
5001	DZRB000059	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
5002	DZSD000133	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000134	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000137	USER'S GUIDE		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4D
5002	DZSD000138	USER'S GUIDE		1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	4D
5002	DZSD000140	USER'S GUIDE		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4D
5002	DZSD000141	USER'S GUIDE		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4D
5002	DZSD000142	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4D
5002	DZSD000143	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	4D
5002	DZSD000144	USER'S GUIDE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	4D
5002	DZSD000145	USER'S GUIDE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000146	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4D
5002	DZSD000148	USER'S GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000154	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
5006	DZSD000156	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000157	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000160	QUICK REFERENCE GUIDE		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4D
5006	DZSD000161	QUICK REFERENCE GUIDE		1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	4D
5006	DZSD000163	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4D
5006	DZSD000164	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4D
5006	DZSD000165	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4D
5006	DZSD000166	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	4D
5006	DZSD000167	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	4D
5006	DZSD000168	QUICK REFERENCE GUIDE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000169	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4D
5006	DZSD000171	QUICK REFERENCE GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000174	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
5008	DZRH000077	CUSHION SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B, 7E
5011	THM-493E	RECORDING PAPER (LETTER)		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7C
5011	THM-393E	RECORDING PAPER (A4)		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
5012	DZRH000078	CUSHION,PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
5014	DZFM000003	PS CORD		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
5014	DZFM000027	PS CORD		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
5014	DZFM000004	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000012	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000028	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000008	PS CORD		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	6A
5014	DZFM000029	PS CORD		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	6A
5014	DZFM000011	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6A
5014	DZFM000030	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6A
5014	DZFM000009	PS CORD		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5014	DZFM000031	PS CORD		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5014	DZFM000010	PS CORD		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A
5014	DZFM000032	PS CORD		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A

Packing & Accessories (2/3)

o.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
	DZRB000058	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
	DZRB000059	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	3E
	DZRB000061	CARTON BOX		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3E
	DZSD000136	USER'S GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4D
	DZSD000139	USER'S GUIDE		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000146	USER'S GUIDE		-	-	-	1	-	1	1	-	1	-	-	1	-	-	1	-	4D
	DZSD000147	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
	DZSD000155	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000159	QUICK REFERENCE GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4D
	DZSD000162	QUICK REFERENCE GUIDE		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000169	QUICK REFERENCE GUIDE		-	-	-	1	-	1	1	-	1	-	-	1	-	-	1	-	4D
	DZSD000170	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
	DZSD000175	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZRH000077	CUSHION SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B, 7E
	THM-493E	RECORDING PAPER (LETTER)		-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	1	7C
	THM-393E	RECORDING PAPER (A4)		1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	-	7C
	DZRH000078	CUSHION,PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
	DZFM000003	PS CORD		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	6A
	DZFM000027	PS CORD		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	6A
	DZFM000004	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000012	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000028	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000008	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	6A
	DZFM000029	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	6A
	DZFM000009	PS CORD		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFM000031	PS CORD		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFM000007	PS CORD		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFM000033	PS CORD		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFN000050	LINE CABLE		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZFN000043	LINE CABLE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFN000051	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFN000056	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZFN000057	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZDU000017	HANDSET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8C
	DZFB000004	PTT PLUG		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
	DZFB000012	PTT PLUG		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
	DZQE000003	ROSETT		-	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	7A
	DZQE000002	ADAPTER		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	7B

Packing & Accessories (3/3)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
5015	DZFN000050	LINE CABLE		-	-	1	1	1	1	-	-	1	1	-	-	-	-	1	1	1	6A
5015	DZFN000043	LINE CABLE		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	6A
5015	DZFN000030	LINE CABLE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	6A
5015	DZFN000017	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5015	DZFN000025	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A
5015	DZFN000028	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6A
5016	DZFN000056	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
5016	DZFN000057	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
5017	DZDU000017	HANDSET		1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	8C
5017	DZDU000018	HANDSET		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8C
5020	DZFB000006	PTT PLUG		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
5020	DZFB000007	PTT PLUG		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	8A
5020	DZFB000008	PTT PLUG		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	8A
5020	DZFB000009	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000002	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000010	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000011	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8A

Information Code Table (4/5)

Info. Code	Mode	Phase	Description of Problem	Cause
430	300 bps XMT	B	CS does not go ON within 30 seconds after RS is ON.	SC PCB (Modem) is defective.
431	RCV	B C	DCD does not go ON within 10 seconds after CD (Training Error) is ON.	Line quality is poor. Transmitter is defective. SC PCB (Modem) or NCU is defective.
432	XMT or Polling RCV	B	CD (response from Modem) did not turn OFF within 35 sec. in the initial routine (T1 timer period).	Line quality is poor. (Noise level is too high.) SC PCB (Modem) or NCU is defective.
433	300 bps XMT	D	Preamble was being sent more than 180 sec.	Recording at the remote unit is not finished.
434	XMT or RCV	B D	CD (response from Modem) did not turn OFF within 180 sec. after receiver detected FLAG signal.	Remote unit is defective. SC PCB (Modem) or NCU is defective.
435	RCV	C D	Timer over after sending 300 bps except EOM Reception in phase C, or time over after while waiting frame data detected high speed data.	Line quality is poor. Transmitter is defective. SC PCB (Modem) or NCU is defective.
436	RCV	B C	DCN received after transmitting FTT.	Transmitter is defective or incompatible. Line quality is poor.
446	RCV	C	DCN received while waiting Post Command.	Transmitter is defective.
447	RCV	D	Did not receive Post Command in 15 sec.	Remote unit is defective. Line quality is poor.
458	RCV	C	Did not receive CD in 10 sec.	Line quality is poor. SC PCB (Modem) or NCU is defective. Remote unit gets a document jammed.
459	RCV	C	Failed training in 10 sec.	Line quality is poor.(Training signal is distorted due to line noise.) SC PCB (Modem) or NCU is defective.
490	RCV	C	Sum of error line exceeded the limit (parameter 39) by 64 lines.	Line quality is poor. SC PCB (Modem) or NCU is defective.
492	RCV	C	Did not receive any data in Receiving Data Buffer in 10 sec.	Remote unit is defective. Line quality is poor. SC PCB (Modem) or NCU is defective.

Information Code Table (5/5)

Info. Code	Mode	Phase	Description of Problem	Cause
493	RCV	C	Did not detect the first EOL in 10 sec.	Remote unit gets a document jammed. Line quality is poor. SC PCB (Modem) or NCU is defective.
494	RCV	C	Interval between two EOLs was more than 10 sec. when receiver received message data.	Remote unit is defective. Line quality is poor. SC PCB (Modem) or NCU is defective.
495	RCV	C	Detected CD off.	Remote unit is defective. Line is disconnected. SC PCB (Modem) or NCU is defective.
630	XMT or RCV (Polling)	B	Redial count over.	Dial tone is not detected. Second dial tone is not detected. (depending on country.) Busy tone is detected. (depending on country.) T1 timer (35±5 sec.) elapsed without signal from receiver.

5.1 Test Mode Table

The following test modes are provided to help you to set various functions and test the condition of the machine.

Test Mode

No	Test Mode	Description
0	PRINT TEST PATTERN	Test Pattern Printout Printing mechanism and electrical circuit will be tested by printing a test pattern from the memory.
1	FUNCTION PARAMETER	Function Parameter Factory default values can be changed.
2	EDIT SYSTEM RAM	System RAM Edit Factory use only. When you need to change the RAM values please consult with MGCS Engineering department.
3	PRINT RAM DATA	RAM Data Printout Function Parameter list in Test Mode 1 and RAM data in Test Mode 2 will be printed.
4	CIS TEST	CIS Test Document scanning mechanism and electrical circuit will be tested by scanning a document and checking the output signal from the CIS.
5	XMT TEST TONE	Tonal Signal Generation Modem function will be tested by sending fax signals.
6	RAM INITIALIZE	RAM Initialization Reset or clear the RAM data.
7	XMT DTMF TONE	DTMF Signal Generation Modem functioning will be tested by sending DTMF signals.
8	NOT USED	
9	MEMORY TEST	To check the Memory.
10	LCD & LED	LCD and LED Test LCD and LED will be tested by lighting them.
11	ID SET	ID No. Setting ID No. can be entered by this mode. This test mode is only for the countries where service personnel is to enter the ID No.
12 ~ 13	NOT USED	
14	COPY MODE SET	Copy Mode Factory use only
15	CIS TRAINING	CIS Training This test mode must be done after CIS or SC PC Board was replaced.

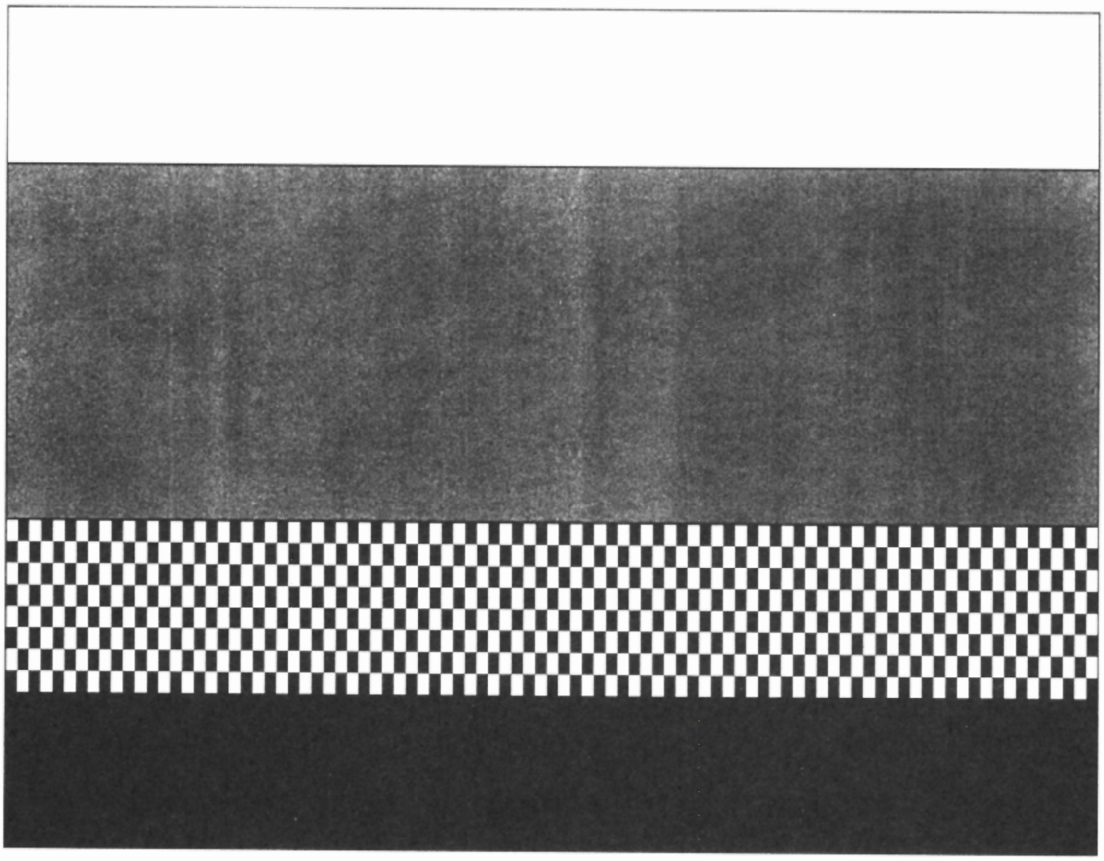
5.2 Test Mode 0 : Print a Test Pattern

A test pattern is printed by following the procedure below.

Test Mode 0 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or">".	`FUNCTION MODE?`
3	Press "#", "*", "#" and "#".	`TEST MODE(< >)`
4	Press "**0**" "**0**" and "**START/SET**".	`* PRINTING *`
5	After printing, the display returns to step 3 above.	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

Test Pattern



5.3 Test Mode 1: Function Parameter

Function Parameter settings are changed by following the procedure below.

Test Mode 1 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**1**", and "**START/SET**".	`PARAMETER NO.(< >)`
5	To select the parameter you want to change, enter a 2-digit code listed in the Function Parameter Table or scroll the display by pressing the "**<**" or "**>**" button . Example : Changing "**Redial Interval**" Press "**5**", "**2**", and "**START/SET**"	`REDIAL INT.:180S`
6	Pressing "**<**" or "**>**" button to select the desired setting.	`REDIAL INT.:120S`
7	Press "**START/SET**" and the new setting will be stored. Display will show the next parameter.	`REDIAL COUNT :02`
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

Note: Key function

"**START/SET**"	:The new setting value is stored in the machine.
"**>**"	: Scroll the Function Parameter No. and select the settings.
"**<**"	: Scroll the Function Parameter No. and select the settings.
"**CLEAR**"	: Back to Step 4 screen.

Function Parameter

No.	Parameter	Selections	Default Value	Description
1 ~ 2	NOT USED			
03	TX JAM CHECK	OFF	ON	Document length determined as a jam Off :Unlimited length On :Up to 1m
		ON		
04	HEADER PRINT	IN	IN	Header printing position In :Inside of the original picture area None :No header Out :Outside of the original picture area
		NONE		
		OUT		
05 ~ 09	NOT USED			
10	RX JAM CHECK	OFF	ON	Maximum length of recording Off :Unlimited length On :Up to 2m
		ON		
12 ~ 19	NOT USED			
20	TX ATT	-00 dBm	-09 dbm (Note 1)	Transmission signal output level Highest :-00dBm Lowest :-15dBm
		-01 dBm		
		~		
		-15 dBm		
21	RX ATT	-33 dBm	-43 dbm (Note 2)	Receiving sensitivity Lowest :-33dBm Highest :-48dBm
		-38 dBm		
		-43 dBm		
		-48 dBm		
22	TX START	9600 bps	9600 bps	Modem starting speed in transmission
		7200 bps		
		4800 bps		
		2400 bps		
23	RX START	9600 bps	9600 bps	Modem starting speed in reception
		7200 bps		
		4800 bps		
		2400 bps		
24	G3 RX EQL	0 dB	4 dB	Cable equalizer in G3 reception mode
		4 dB		
		8 dB		
		12 dB		

Note 1 : May vary depending on country

Note 2 : Germany is -48 dBm.

Function Parameter

No.	Parameter	Selections	Default Value	Description
25	G3 TX EQL	0 dB	8 dB	Cable equalizer in G3 transmission mode
		4 dB		
		8 dB		
		12 dB		
26	CED & 300	75 ms	75 ms	Pause time between CED and NSF/CSI/DIS signal
		500 ms		
		1000 ms		
27	COMM. STRT	Ist DIS	1st DIS	Communication start up condition 1st DIS :Starting up with the first reception of the NSF and DIS. 2nd DIS :Starting up with the second reception of the NSF and DIS.
		2nd DIS		
28	EP TONE	OFF	OFF	Echo protect tone on V.29 mode
		NSTD-C		
		NSTD-B & C		
		ALL-C		
		ALL-B & C		
29	TCF	100ms+1s	200ms+1.2s	The TCF signal discard and checking time
		100ms+1.2s		
		200ms+1s		
		200ms+1.2s		
30	NON-STANDARD	OFF	ON	NSF and NSS signal transmission Off :G3 standard mode On :G3 non-standard mode
		ON		
31	CSI TX	OFF	ON	CSI signal transmission Off :Not transmitted On :Transmitted
		ON		
32	TSI/CIG TX	OFF	ON	TSI and CIG signal transmission Off :Not transmitted On :Transmitted
		ON		
34	S-PROTOCOL	OFF	(B)	Short Protocol B Off :Not used (B) :Used
		(B)		
35	MWS	Off	Type 1 & 2	Matsushita White Skip function Off :Not selected Type 1 :MWS Type 1 is selected. Type 1& 2 :MWS Type 1 & 2 are selected.
		TYPE 1		
		TYPE 1 & 2		
38	SELECT RCV	OFF	OFF	Selective Reception mode Compare the last 4 digits of the calling station's ID with the last 4 digits of each speed dialing station. Off :Not check On :Check
		ON		

Fanction Parameter

No.	Parameter	Selections	Default Value	Description
39	ERR LINE CNT	32 lines 64 lines 96 lines 128 lines 160 lines 192 lines 244 lines 255 lines	64 lines	Error Line Counter When the machine detects the error lines equal to or more than the line number set, the machine will disconnect the line.
40	ERR LINE %	5 % 10 % 15 % 20 %	10 % (Note 1)	Error Line percentage When the machine detects the error lines equal to or more than the percentage set, the machine will disconnect the line.
41	ERR DETECT	CNT %	CNT (Note 2)	Error detection method CNT :Determined by the Error Line Counter. % :Determined by the Error Line percentage.
42	NOT USED			
43	DC LOOP	OFF ON	OFF	Checking DC Loop Off :Check DC Loop On :Not check
44	MONITOR	OFF ON	OFF	Monitoring the communication protocol through the speaker Off :Not selected On :Protocol will be heard through the speaker.
46	L.P.A TIME	0S 1S ~ 15S	5S	Period to generate alarm for the last page
47 ~ 48	NOT USED			
49	FLASH TIME	80 ms 100 ms ~ 500 ms	80 ms (Note 3)	Period of Flash on the line when Flash key is pressed.
50	BREAK RATIO	0% 1% ~ 98%	56%	Dial Pulse Break Ratio The number entered will be the Break Ratio.

Note 1 : The Netherlands is 5 %.

Note 2 : Germany and the Netherlands is %.

Note 3 : May vary depending on country.

Function Parameter

No.	Parameter	Selections	Default Value	Description
51	FLASH KEY	FLASH	FLASH	Flash and Earth key function Flash :Flash key function is selected. Earth :Earth key function is selected.
		EARTH		
52	REDIAL INT.	30 s	180 sec.	Automatic Redial interval The machine will redial automatically with the interval set if the called station is busy.
		60 s		
		120 s		
		180 s		
53	REDIAL COUNT	0	5 times (Note 1)	Automatic Redial number Automatic Redial will be tried by the number set up to 98 times.
		1 time		
		~		
		98 times		
55	BUSY TONE CK	OFF	ON (Note 1)	Busy Tone detection Off :Not check On :Check
		ON		
56	DIAL TONE CK	OFF	ON (Note 2)	Dial Tone detection Off :Not check On :Check
		ON		
57	PBX. DT. CK	OFF	OFF (Note 2)	PBX Dial Tone detection Off :Not check On :Check
		ON		
58	VOICE SNS	-33 dBm	-43dBm (Note 3)	Receiving sensitivity for voice
		-38 dBm		
		-43 dBm		
		-48 dBm		
60	RMT RX TMG	50 ms	50 ms	Monitoring duration of DTMF in Remote Reception Monitoring duration of DTMF generated by an external telephone in Remote Reception.
		80 ms		
		110 ms		
		140 ms		
		170 ms		
		200 ms		
61	RMT RX DIGIT	2	2	No. of digit for Remote Reception Code 2 :2 digits 4 :4 digits
		4		
62	RMT RX CODE	00 ~ 99, **, ##	**	Remote Reception Code Preset Remote Reception Code.

Note 1 :	May vary depending on country
Note 2 :	No function depending on country
Note 3 :	Germany is -48 dBm.

Function Parameter

No.	Parameter	Selections	Default Value	Description
63	DTMF DETECT	OFF ON	ON	DTMF detection in Remote Reception Detect DTMF generated by the external telephone set while the calling and called parties are talking over the telephone. Off :DTMF will be ignored. On :DTMF will be detected.
64	RMT CONTROL	OFF ON	ON	Remote Control for built-in TAM and External TAM Off :Invalid Remote Control On :Remote Control for the built-in TAM
65	SILENT TIME	00 sec. 01 sec. ~ 15 sec.	6 sec.	Monitoring duration of the incoming voice. If External TAM mode is selected and no incoming voice is detected during the period set, the machine will start Fax reception process. Select the desired duration according to the External TAM specifications.
67	VOICE TX	-0 dBm -1 dBm ~ -15 dBm	-6 dBm	OGM output level
68 ~ 69	NOT USED			
71	REMOTE DIAG	OFF ON	ON	Remote Diagnostic Mode Off :Not accept the diagnosis On :Allow the center station to diagnose
72	DIAG CODE			Remote Diagnostic Password Enter 4 digit password
73 ~ 80	NOT USED			

Note : The default setting of parameters may vary depending on the country's specifications or regulations. Print the Function Parameter List to confirm the default settings. (See Test Mode 3 : RAM Data Printout.)

5.4 Test Mode 2 : System RAM Edit

RAM data can be changed by following the procedure below. However, please do not change any data in this Test Mode 2 unless you are informed the correct meaning of each RAM data.

Test Mode 2 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	12-JUL 15:00
2	Press "<" or ">".	FUNCTION MODE?
3	Press "#", "*", "#" and "#".	TEST MODE(< >)
4	Press "0" "2" and "**START/SET**".	#000 [ ] =
5	Enter the RAM address you want to change.	
6	Enter the new RAM data and press "**START/SET**".	
7	Repeat the step 5 to 6 if you want to change any other RAM data.	
8	Press "**STOP**" twice to return to standby.	12-JUL 15:00

5.5 Test Mode 3 : RAM Data Printout

Function Parameter List and the settings in Test Mode 1 and RAM data in Test Mode 2 can be printed by following the procedure below.

Test Mode 3 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**" and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**3**" and "**START/SET**".	`* PRINTING *`
5	After printing, the display returns to step 3 above.	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

5.6 Test Mode 4 : CIS Test

Document scanning will be started by following procedure below.

Test Mode 4 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**4**" and "**START/SET**" to light up LED Array. Set document on the Document Guide and press "**START**". The machine will start scanning the document.	`CIS TEST`
5	Press "**STOP**" to stop the feeding of the document. The machine is still scanning the document. Check the output signal sent from CIS.	`CIS TEST`
6	Press "**START/SET**" to restart feeding the document.	`CIS TEST`
7	Repeat step 4 to 6 to check the signal if necessary.	`CIS TEST`
8	Press "**STOP**" twice and the display will return to standby.	`12-JUL 15:00`

5.7 Test Mode 5 :Tonal Signal Generation

The following signals listed in the Tonal signal table can be send from the machine by following the procedure below.

Test Mode 5 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**5**" and then press "**START/SET**".	`TONE = 9600 bps OFF`
5	Enter the signal No you want to generate. (see Tonal signal table below.) Example : **V27ter 4800bps** Enter "**3**", or scroll the display by pressing "**<**" or "**>**".	`TONE = 4800 bps OFF`
6	Press "**START/SET**" and the signal will be sent out.	`TONE = 4800 bps ON`
7	Press "**STOP**" to end the signal generation. To select another signal, repeat step 5.	`TONE = 4800 bps OFF`
8	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

Tonal Signal Table

Key Button	Signals	Display
1	V29 9600bps Data (mark : 1)	`TONE = 9600 bps OFF`
2	V29 7200bps Data (mark : 1)	`TONE = 7200 bps OFF`
3	V27ter 4800 bps Data (mark : 1)	`TONE = 4800 bps OFF`
4	V27ter 2400bps Data (mark : 1)	`TONE = 2400 bps OFF`
5	300bps Flag pattern	`TONE = 300 bps OFF`
6	1100Hz	`TONE = 1100 Hz OFF`
7	1300Hz	`TONE = 1300 Hz OFF`
8	1400Hz	`TONE = 1400 Hz OFF`
9	1650Hz	`TONE = 1650 Hz OFF`
0	2100Hz	`TONE = 2100 Hz OFF`
*	1850Hz	`TONE = 1850 Hz OFF`
#	LINE	`TONE = LINE OFF`

5.8 Test Mode 6 : RAM Initialization

RAM data is initialized or cleared by following the procedure below.

Test Mode 6 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "0" "6" and then press "**START/SET**".	`RAM INITIALIZE`
5	Press the dial number (2-digits) to select the initialize mode. (See below)	`TEST MODE(< >)`
6	Press "**STOP**" to return to standby.	`12-JUL 15:00`

RAM Initialization

Key Button	Description
*	Parameter initialize. RAM settings in Test Mode 1 and Test Mode 2 will be initialized to the default settings.
1, 0	Logo and ID settings will be cleared.
1, 3	One-Touch and Directory Nos. will be cleared.
1, 4	Passwords, Message Transfer Station Nos, Diagnostic Codes will be cleared.
9, 9	Shipment set Delete and initialize all RAM data. (See Note 1)

Note 1: This operation should be performed when the machine is installed.

5.9 Test Mode 7 : DTMF Signal Generation

DTMF (Dual Tone Multi-Frequency) signal is generated by following the procedure below.

Test Mode 7 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**0**" "**7**" and "**START/SET**".	`[0] 941 & 1336 OFF`
5	Press a key button to select the DTMF signal. (See below) Example : 770 & 1209 Hz Press "**4**".	`[4] 770 & 1209 OFF`
6	Press "**START/SET**", then the DTMF signal is sent.	`[4] 770 & 1209 ON`
7	Press "**STOP**" and the DTMF signal will be stopped.	
8	To test other signals, repeat step 5 to 7.	
9	Press "**STOP**" twice and the display will return to standby.	`12-JUL 15:00`

DTMF Signal

Key Button	DTMF	Display
1	697 & 1209 Hz	`[1] 697 & 1209 OFF`
2	697 & 1336 Hz	`[2] 697 & 1336 OFF`
3	697 & 1477 Hz	`[3] 697 & 1477 OFF`
4	770 & 1209 Hz	`[4] 770 & 1209 OFF`
5	770 & 1336 Hz	`[5] 770 & 1336 OFF`
6	770 & 1477 Hz	`[6] 770 & 1477 OFF`
7	852 & 1209 Hz	`[7] 852 & 1209 OFF`
8	852 & 1336 Hz	`[8] 852 & 1336 OFF`
9	852 & 1477 Hz	`[9] 852 & 1477 OFF`
0	941 & 1336 Hz	`[0] 941 & 1336 OFF`
*****	941 & 1209 Hz	`[*] 941 & 1209 OFF`
#	941 & 1477 Hz	`[#] 941 & 1477 OFF`

5.10 Test Mode 9 : Memory Test

This test mode is used to check RAM by writing and redialing.

Test Mode 9 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "0" "9" and "START/SET".	`MEMORY TEST`
5a	"**PASS**" displays when the writing and redialing of RAM data is finished.	`PASS`
5b	If any data error exsists, the display shows the segment and data.	`[182000] 55-00` Read Data Write Data Address
6	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.11 Test Mode 10 : LCD and LED Test

LCD and LED are lit by following the procedure below.

Test Mode 10 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "**★**", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**0**", and "**START/SET**".	`LCD & LED TEST`
5	Press "**START/SET**" and all digits on LCD and LEDs will be lit.	■■■■■■■■■■■■■■■■
6	Press "**START/SET**" to turn off LCD and LEDs	
7	Press "**STOP**" twice to return to standby.	`12-JUL 15:00`

5.12 Test Mode 11 : ID No Setting

This test mode is only for the countries where service personnel is to enter the ID number. If the operation of entering the ID number is not listed in the User's Guide attached, follow the procedure below to enter the ID number.

Test Mode 11 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "<" or ">".	`FUNCTION MODE?`
3	Press "#", "*", "#", and "#".	`TEST MODE(< >)`
4	Press "1", "1", and "**START/SET**".	`TEL:█`
5	Enter the telephone number. (Max. 20 digits)	`TEL:1234567█`
6	Press "**START/SET**".	`TEST MODE(< >)`
7	Press "**STOP**" to return to standby.	`12-JUL 15:00`

5.13 Test Mode 15 : CIS Training

In case of CIS, it is required to measure and store AGC data of shading and halftone into flash memory by this Test Mode due to no white level for scanning.

Test Mode 15 Operation

Step	Operation or Unit Condition	LCD Display
1	Standby	`12-JUL 15:00`
2	Press "**<**" or "**>**".	`FUNCTION MODE?`
3	Press "**#**", "*****", "**#**", and "**#**".	`TEST MODE(< >)`
4	Press "**1**", "**5**" and "**START/SET**".	`CIS TRAINING?`
5	Set blank document with white background.	`CIS TRAINING?`
6	Press "**START/SET**". The machine starts scanning the document.	`CIS TRAINING`
7	Press "**STOP**" to return to standby.	`12-JUL 15:00`

Note : This Test Mode 15 have to operate when CIS or SC PC Board has been replaced or F-ROM of SC PC Board has been initialized.

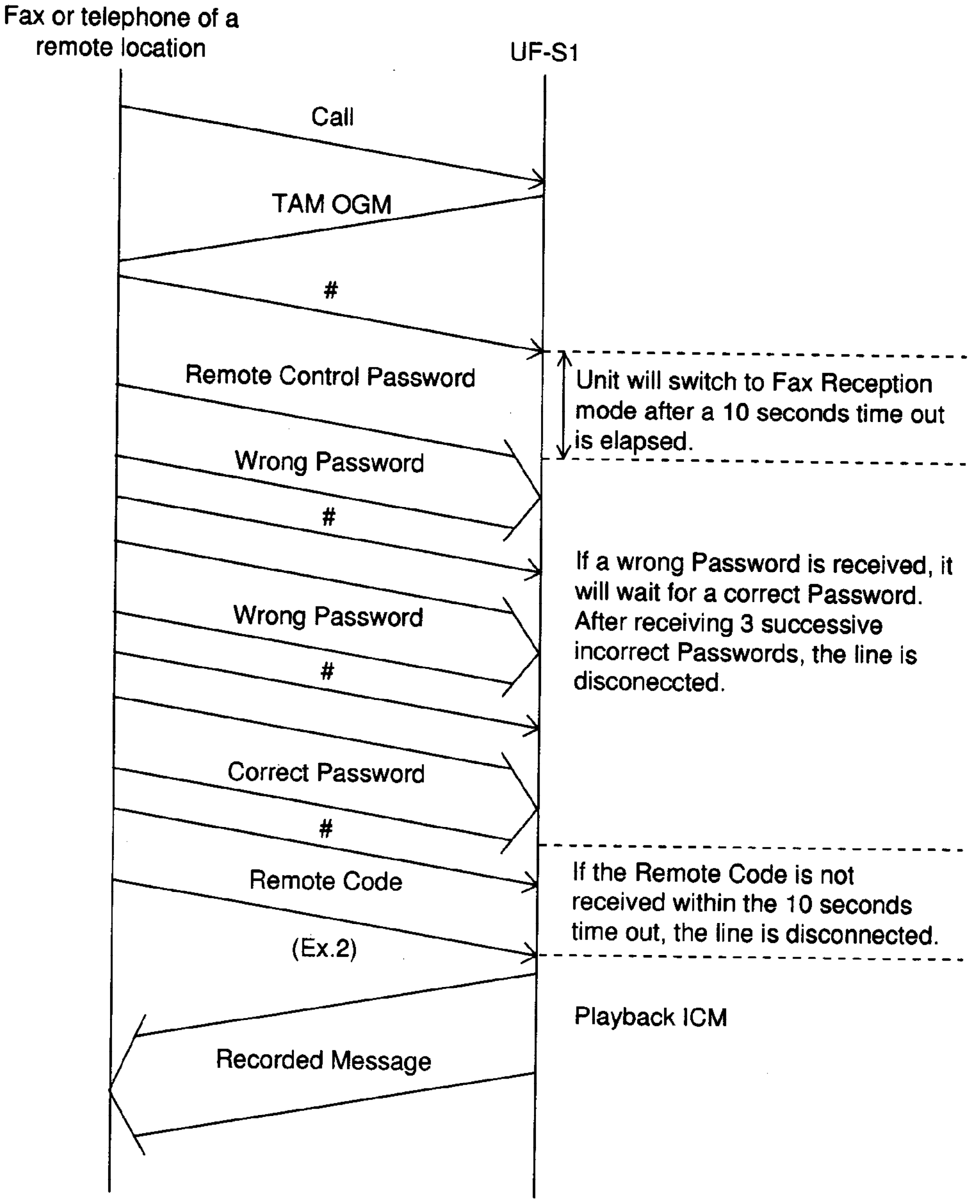
6.13 Remote Control Feature

(1)

This function permits the retrieval of recorded messages or fax documents by sending remote commands from the remote location to the UF-S1.
Note that this function will only work with touch tone dialing from either a fax machine or a telephone.

The procedure for the Remote Control feature is illustrated below and the Remote Control Codes are indicated on the next page.

(2) Basic Procedure


Fax or telephone of a remote location
UF-S1
Call
TAM OGM
#
Remote Control Password
Unit will switch to Fax Reception mode after a 10 seconds time out is elapsed.
Wrong Password
#
If a wrong Password is received, it will wait for a correct Password. After receiving 3 successive incorrect Passwords, the line is disconeccted.
Wrong Password
#
Correct Password
#
Remote Code
If the Remote Code is not received within the 10 seconds time out, the line is disconnected.
(Ex.2)
Playback ICM
Recorded Message

(3) Remote Control Code Table

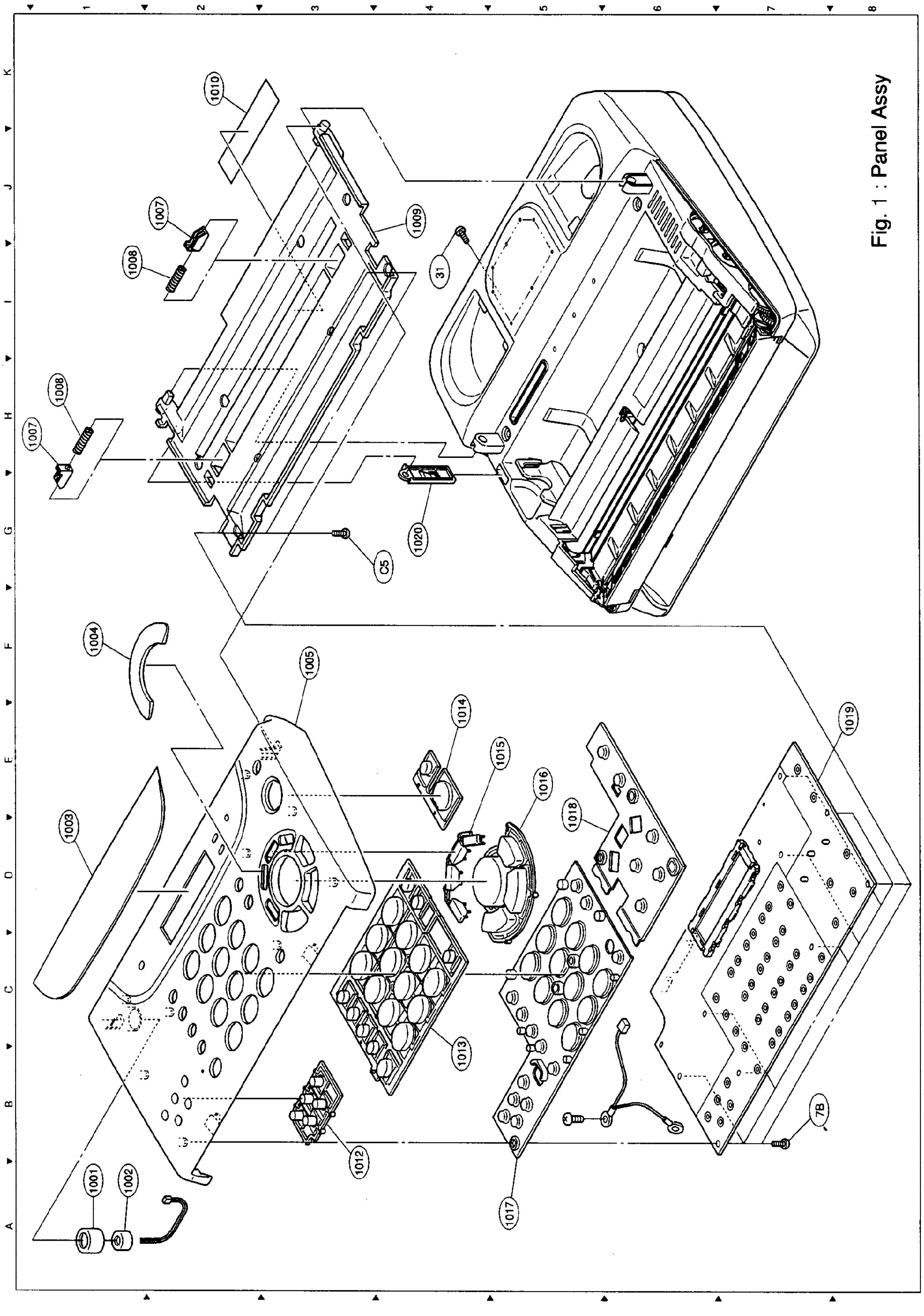
Function Name	Command Code	Sub. Code	Function
Skip Message (I<<)	1	-	Skip to the beginning of the previous message.
Playback Message	2 #	-	Plays back from the first message.
Skip Message (>>I)	3	-	Skips to the beginning of the next message.
Erase Greeting Messages	41#	-	Erases the Greeting messages.
Record Greeting Message	42 #	-	Records a personal greeting message.
Erase All Messages	6#	-	Erases all the recorded messages.
OUT Mode	0 #	-	Switches to the OUT mode.
IN Mode	* #	-	Switches to the IN mode.

Chapter 7
Exploded View & Parts List

Country Code	Country
AA	Austria
AB	U.K.
AC	Canada
AD	Denmark
AE	Taiwan
AF	Finland
AG	Germany
AH	Holland
EE	Italy
AJ	Spain
AK	Hong Kong
AL	Australia
AM	Switzerland
AN	Norway
AP	Portugal
AQ	Ireland
AR	Belgium

Country Code	Country
AS	Sweden
AT	Turkey
AV	France
AW	New Zealand
YA	Central &South America (200V)
YC	Others (200V)
YJ	Checo, Slovakia
YL	Brazil (100V)
YM	Malaysia
YQ	Brazil (200V)
YS	Saudi Arabia
YT	Thailand
YV	China
YW	South Affica
YX	Singapore
YY	Central & South America (100V)

All parts for this product are supplied from Singapore factory.


1
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G
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I
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1003
1004
1005
1007
1008
1007
1008
1009
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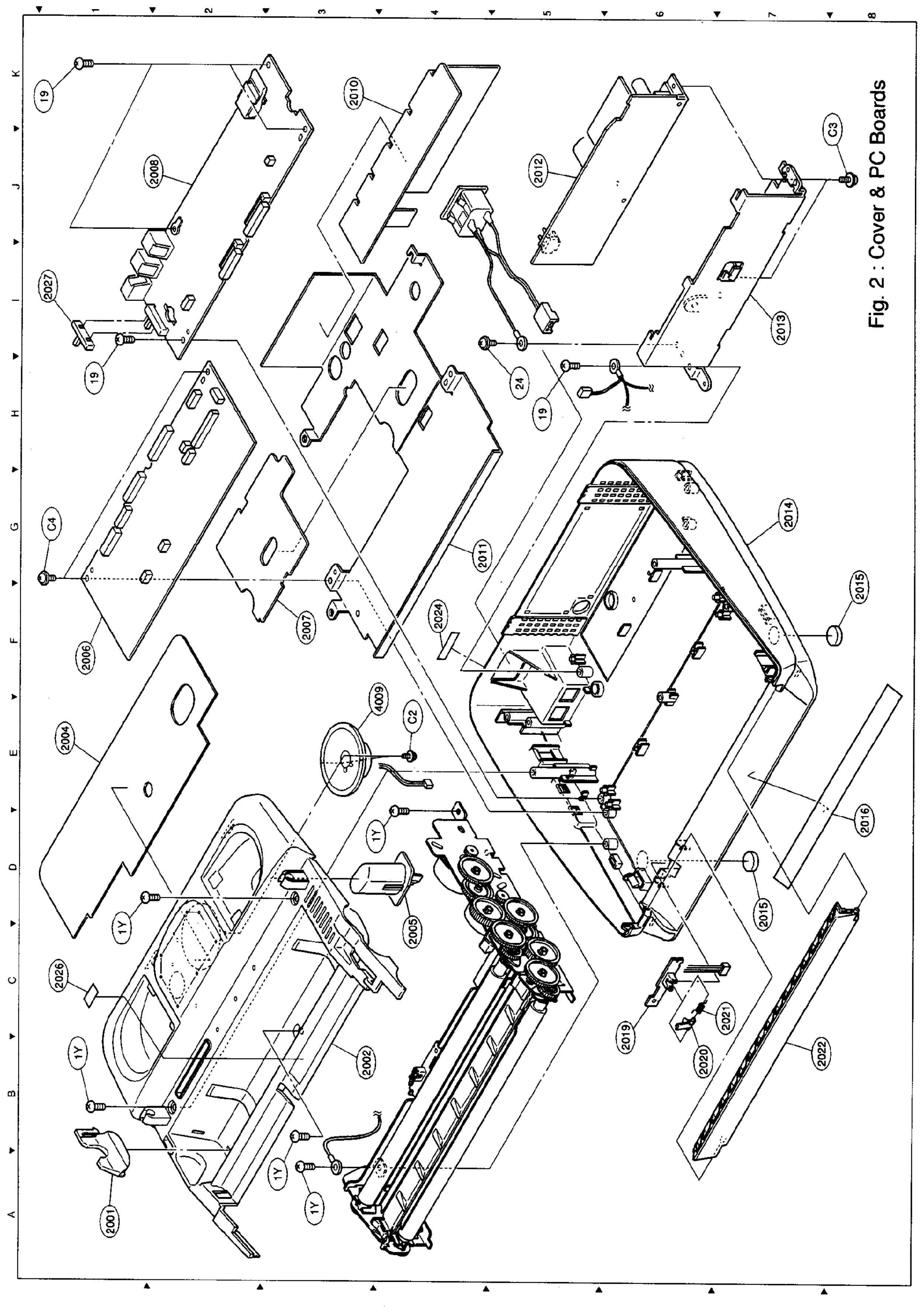
1014
1015
1016
1017
1018
1019
1020
C5
31
7B

Fig. 1 : Panel Assy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K
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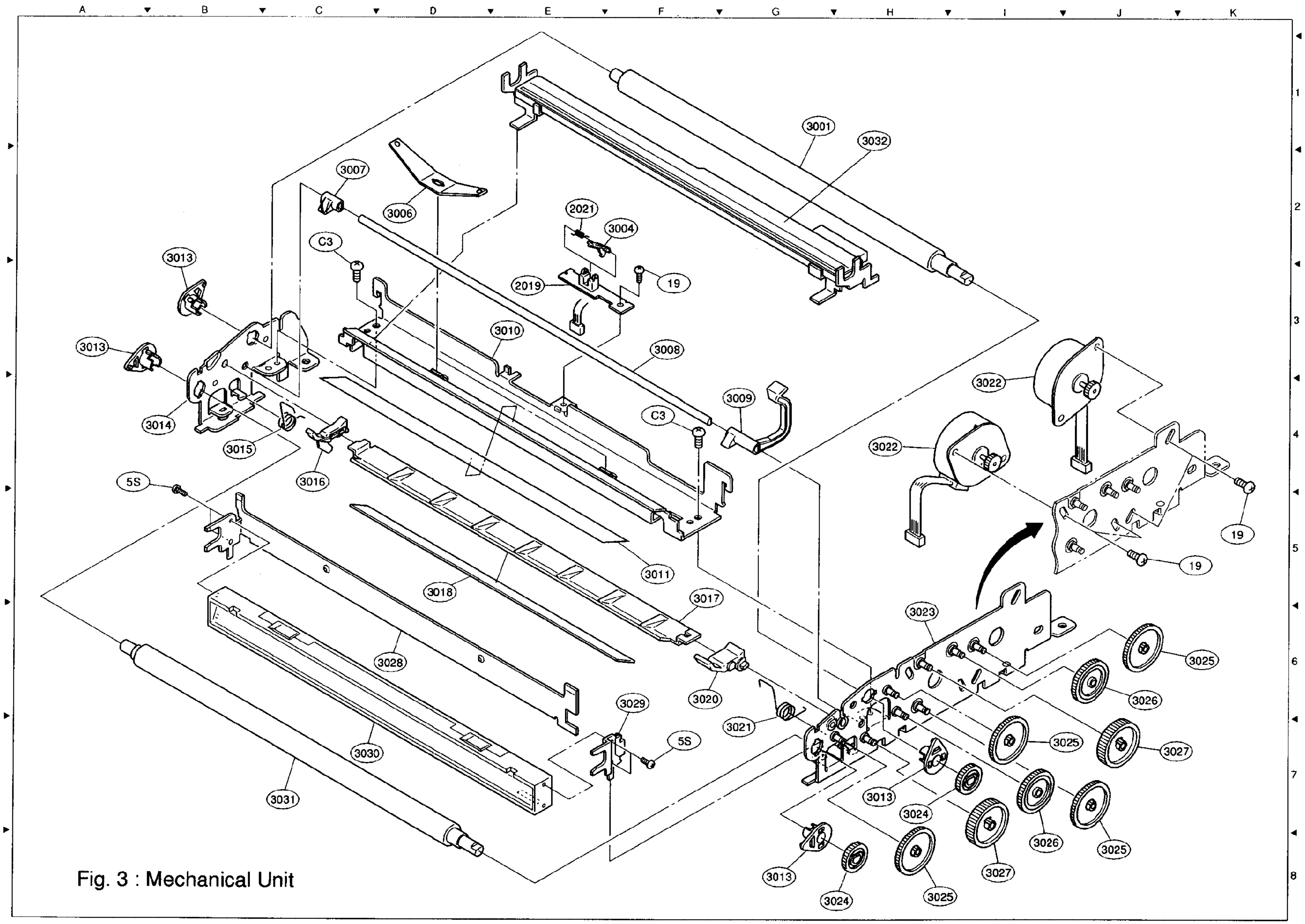
2027
19
2010
2012
C3
2013
24
19
2006
C4
2007
2011
2014
2015
2024
2004
4009
C2
1Y
2005
2026
1Y
2002
1Y
1Y
1Y
2001
2019
2020
2021
2022
2015
2016

Fig. 2 : Cover & PC Boards


A
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1
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3
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5
6
7
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3001
3032
3007
3006
2021
3004
C3
2019
19
3013
3010
3008
3013
3022
3014
3009
C3
3015
3022
3016
5S
19
19
3011
3018
3017
3023
3028
3025
3020
3029
3026
3021
5S
3025
3027
3030
3013
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3031
3026
3025
3027
3013
3025
3024

Fig. 3 : Mechanical Unit

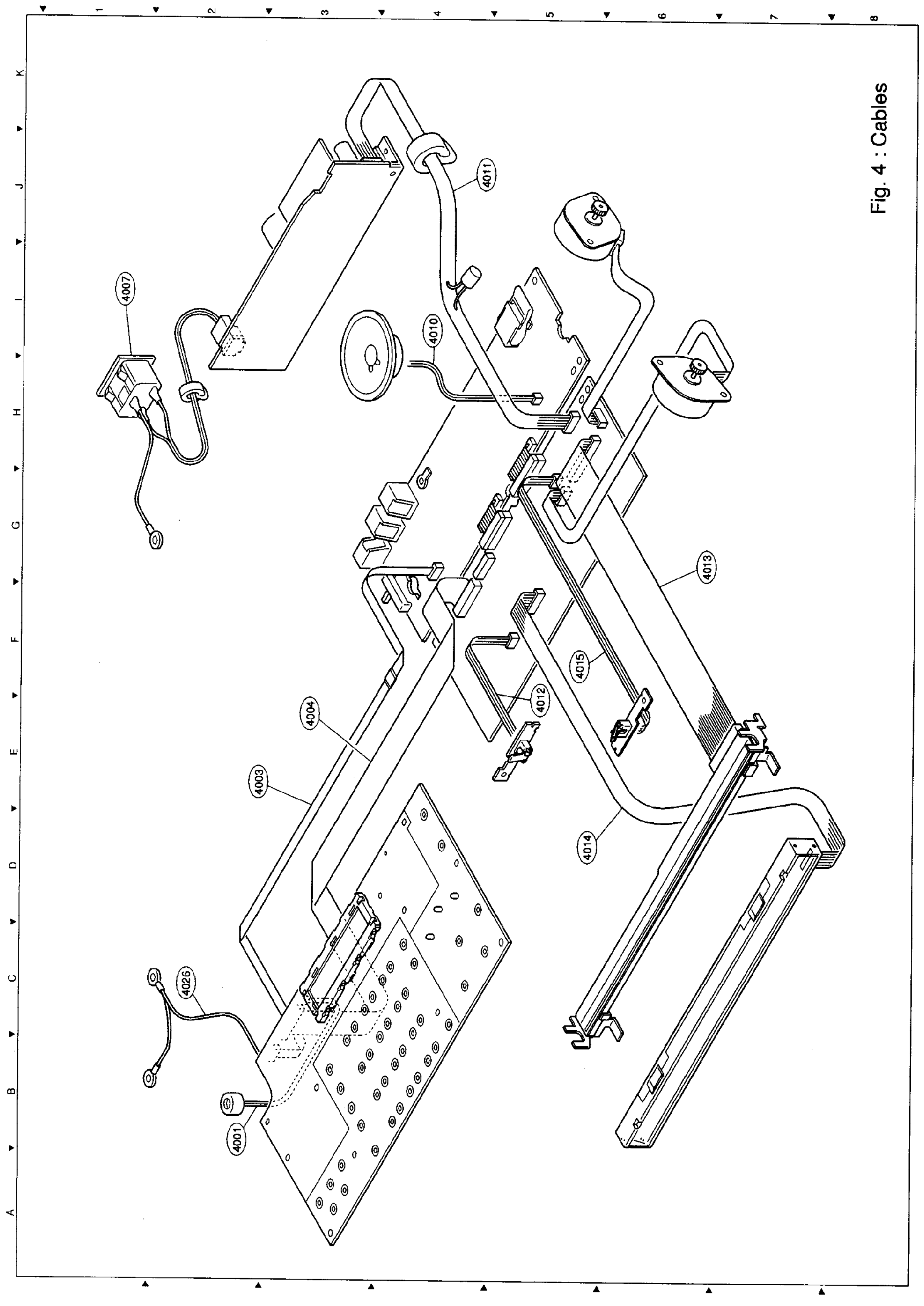
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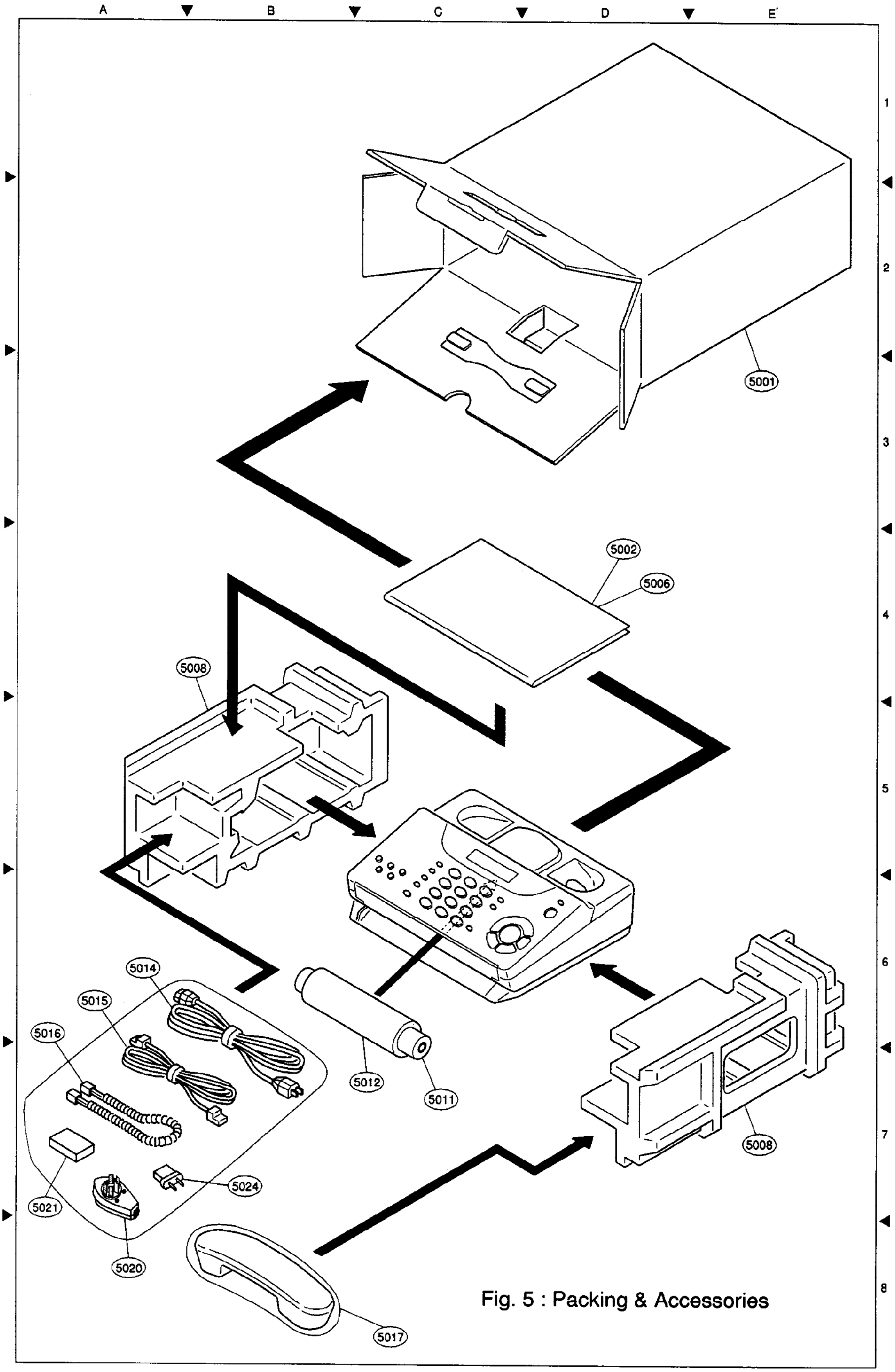
Fig. 4 : Cables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5001
5002
5006
5008
5014
5015
5016
5012
5011
5008
5024
5021
5020
5017

Fig. 5 : Packing & Accessories

7.1 Panel Assy (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
1001	DZJC000091	MIC HOLDER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1002	DZDS000003	MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1003	DZNA000162	LCD WINDOW		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	1D
1003	DZNA000170	LCD WINDOW		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000171	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1D
1003	DZNA000172	LCD WINDOW		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1D
1003	DZNA000173	LCD WINDOW		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1D
1004	DZNA000166	LED WINDOW		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	1F
1004	DZNA000178	LED WINDOW		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
1004	DZNA000179	LED WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
1004	DZNA000180	LED WINDOW		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
1004	DZNA000181	LED WINDOW		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
1005	DZMA000131	COVER,PANEL		-	-	-	1	1	1	-	1	-	-	1	1	1	1	-	1	1	3F
1005	DZMA000164	COVER,PANEL		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000165	COVER,PANEL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3F
1005	DZMA000166	COVER,PANEL		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3F
1005	DZMA000167	COVER,PANEL		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3F
1005	DZMA000170	COVER,PANEL		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000176	COVER,PANEL		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1007	DZMG000014	LATCH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 2J
1008	DZKN000075	SPRING, COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1I
1009	DZJA000161	CHASSIS,UPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
1010	DZNK000217	LABEL,PAPER SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2K
1012	DZKB000091	BUTTON C		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
1013	DZKB000089	BUTTON B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
1014	DZKB000094	BUTTON D		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	4E
1014	DZKB000114	BUTTON D		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4E
1014	DZKB000115	BUTTON D		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4E
1014	DZKB000116	BUTTON D		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4E
1015	DZTE000010	LED LENS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1016	DZKB000086	BUTTON A		-	1	1	1	1	1	-	1	-	-	1	1	1	1	-	1	1	5E
1016	DZKB000105	BUTTON A		1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	5E
1016	DZKB000106	BUTTON A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	5E
1016	DZKB000107	BUTTON A		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	5E
1016	DZKB000108	BUTTON A		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5E
1017	DZKM000005	SHEET,CLICK B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5A
1018	DZKM000004	SHEET,CLICK A		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1019	DZYC0580	PC BOARD W/COMPONENT,PNL	x	1	-	1	1	1	1	1	1	-	1	1	1	1	1	-	1	1	8E
1019	DZYC0581	PC BOARD W/COMPONENT,PNL	x	-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	8E
1020	DZJM000087	S STOPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
C5	XTB26+10J	SCREW		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4G
31	XSB4+10BN	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
7B	XTB26+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B

Panel Assy (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
1001	DZJC000091	MIC HOLDER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1002	DZDS000003	MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
1003	DZNA000162	LCD WINDOW		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	1D
1003	DZNA000171	LCD WINDOW		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1D
1003	DZNA000174	LCD WINDOW		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1D
1003	DZNA000175	LCD WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1D
1004	DZNA000166	LED WINDOW		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	1F
1004	DZNA000179	LED WINDOW		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1F
1004	DZNA000182	LED WINDOW		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
1004	DZNA000183	LED WINDOW		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
1005	DZMA000131	COVER,PANEL		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	3F
1005	DZMA000165	COVER,PANEL		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	3F
1005	DZMA000168	COVER,PANEL		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3F
1005	DZMA000169	COVER,PANEL		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3F
1007	DZMG000014	LATCH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 2J
1008	DZKN000075	SPRING, COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1I
1009	DZJA000161	CHASSIS,UPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
1010	DZNK000217	LABEL,PAPER SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2K
1012	DZKB000091	BUTTON C		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
1013	DZKB000089	BUTTON B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
1014	DZKB000094	BUTTON D		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	4E
1014	DZKB000114	BUTTON D		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	4E
1014	DZKB000117	BUTTON D		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4E
1014	DZKB000118	BUTTON D		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4E
1015	DZTE000010	LED LENS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1016	DZKB000086	BUTTON A		1	1	-	1	1	1	1	-	1	-	1	1	-	1	1	1	5E
1016	DZKB000106	BUTTON A		-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	5E
1016	DZKB000109	BUTTON A		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5E
1016	DZKB000110	BUTTON A		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5E
1017	DZKM000005	SHEET,CLICK B		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5A
1018	DZKM000004	SHEET,CLICK A		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5E
1019	DZYC0580	PC BOARD W/COMPONENT,PNL	x	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	8E
1019	DZYC0581	PC BOARD W/COMPONENT,PNL	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	8E
1020	DZJM000087	S STOPPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
31	XSB4+10BN	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
7B	XTB26+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B

7.2 Cover & PC Boards (1/4)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
2001	DZME000009	SEPERATOR		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1A
2002	DZMA000128	COVER,CRADLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
2004	DZHD000003	AL SHEET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1E
2005	DZKB000083	BUTTON,HOOK		1	-	1	1	1	1	1	1	-	1	1	1	1	1	-	1	1	4D
2005	DZKB000125	BUTTON,HOOK		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	4D
2006	DZYC0565AA	PC BOARD W/COMPONENT,SC	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AB	PC BOARD W/COMPONENT,SC	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AC	PC BOARD W/COMPONENT,SC	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AD	PC BOARD W/COMPONENT,SC	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AE	PC BOARD W/COMPONENT,SC	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AF	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AG	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AH	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565EE	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AJ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
2006	DZYC0565AK	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1F
2006	DZYC0565AL	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1F
2006	DZYC0565AM	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1F
2006	DZYC0565AN	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
2006	DZYC0565AP	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
2006	DZYC0565AQ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1F
2006	DZYC0565RAR	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1F
2007	DZHA000054	SHEET,EMI2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
2008	DZYC0568E	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568F	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568J	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2J
2008	DZYC0568L	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2J
2008	DZYC0568N	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2J
2008	DZYC0568Q	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2J
2008	DZYC0568R	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2J
2008	DZYC0568U	PC BOARD W/COMPONENT,NCU	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568H	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0591B	PC BOARD W/COMPONENT,NCU	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0591EE	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2J
2008	DZYC0569K	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2J
2008	DZYC0591P	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2J
2008	DZYC0570A	PC BOARD W/COMPONENT,NCU	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570D	PC BOARD W/COMPONENT,NCU	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570G	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0570M	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2J
2010	DZJE000072	POW CAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3K
2011	DZJA000162	CHASSIS,EMI		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
2012	ETXDN014A3A	POWER SUPPLY UNIT 100V		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	5J
2012	ETXDN014E3A	POWER SUPPLY UNIT 200V		1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	5J
2013	DZJA000159	CHASSIS,POWER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7I

Cover & PC Boards (2/4)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
2001	DZME000009	SEPERATOR		1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	-	1A
2002	DZMA000128	COVER,CRADLE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3B
2004	DZHD000003	AL SHEET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1E
2005	DZKB000083	BUTTON,HOOK		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4D
2005	DZKB000125	BUTTON,HOOK		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
2006	DZYC0565AS	PC BOARD W/COMPONENT,SC	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AT	PC BOARD W/COMPONENT,SC	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AV	PC BOARD W/COMPONENT,SC	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565AW	PC BOARD W/COMPONENT,SC	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YA	PC BOARD W/COMPONENT,SC	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YC	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YJ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YL	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1F
2006	DZYC0565YM	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1F
2006	DZYC0565YQ	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1F
2006	DZYC0565YS	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1F
2006	DZYC0565YT	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1F
2006	DZYC0565YW	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1F
2006	DZYC0565YX	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1F
2006	DZYC0565YY	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1F
2006	DZYC0565RYV	PC BOARD W/COMPONENT,SC	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1F
2007	DZHA000054	SHEET,EMI2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
2008	DZYC0568S	PC BOARD W/COMPONENT,NCU	x	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568T	PC BOARD W/COMPONENT,NCU	x	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0568YW	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2J
2008	DZYC0568YX	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2J
2008	DZYC0568YC	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	2J
2008	DZYC0568YL	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2J
2008	DZYC0568YM	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	2J
2008	DZYC0568YY	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2J
2008	DZYC0591W	PC BOARD W/COMPONENT,NCU	x	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0569YV	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2J
2008	DZYC0570YJ	PC BOARD W/COMPONENT,NCU	x	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2J
2008	DZYC0571	PC BOARD W/COMPONENT,NCU	x	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2J
2010	DZJE000072	POW CAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3K
2011	DZJA000162	CHASSIS,EMI		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
2012	ETXDN014A3A	POWER SUPPLY UNIT 100V		-	-	-	-	-	-	-	1	-		-	-	-	-	-	1	5J
2012	ETXDN014E3A	POWER SUPPLY UNIT 200V		1	1	1	1	1	1	1		1	1	1	1	1	1	1	-	5J
2013	DZJA000159	CHASSIS,POWER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7I
2014	DZMA000126	COVER,BASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
2015	DZMM000007	RUBBER FOOT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2016	DZNK000236	LABEL,GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2019	DZYC0584	PC BOARD W/COMPONENT,SEN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6C
2020	DZHC000030	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6B
2021	DZKN000074	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C

Cover & PC Boards (3/4)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
2014	DZMA000126	COVER,BASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
2015	DZMM000007	RUBBER FOOT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2016	DZNK000236	LABEL,GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7D, 8F
2019	DZYC0584	PC BOARD W/COMPONENT,SEN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6C
2020	DZHC000030	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6B
2021	DZKN000074	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
2022	DZMC000077	COVER,FRONT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B
2024	DZNK000260	LABEL,ACIN		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4F
2024	DZNK000261	LABEL,ACIN		1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	4F
2026	DZNK000255	LABEL,WARNING,HIGH TEMP		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1C
2027	DZKA000001	KNOB,SLIDE		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1I
4009	DZDR000011	SPEAKER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1K, 5H
24	XYN4+F8	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5H
1Y	XTB3+10J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1B, 1C, 3A, 3D
C2	DZPB000020	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8K
C4	DZPD000003	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G

Cover & PC Boards (4/4)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
2022	DZMC000077	COVER,FRONT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7B
2024	DZNK000260	LABEL,ACIN		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	4F
2024	DZNK000261	LABEL,ACIN		1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	-	4F
2027	DZKA000001	KNOB,SLIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1I
4009	DZDR000011	SPEAKER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H, 1K, 5H
24	XYN4+F8	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5H
1Y	XTB3+10J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1B, 1C, 3A, 3D
C2	DZPB000020	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4E
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8K
C4	DZPD000003	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G

7.3 Mechanical Unit (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
3001	DZLA000085	ROLLER RECORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G
3004	DZHC000031	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2F
3006	DZKP000079	SPRING,PLATE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2D
3007	DZKJ000003	CAM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C
3008	DZKG000032	SHAFT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
3009	DZKL000009	LEVER,RELEASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
3010	DZJA000158	CHASSIS,HEADSP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
3011	DZNK000241	PAPER GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
3013	DZLM000046	BUSH,P6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B, 3A, 7H, 8G
3014	DZJA000156	BRACKET L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3015	DZKQ000002	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3016	DZKL000010	GUIDE LEVER L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
3017	DZJF000169	CHASSIS, PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3020	DZKL000011	GUIDE LEVER R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3021	DZKQ000003	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
3022	35S1N15DCNX	STEPPING MOTOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4H, 4I
3023	DZJA000157	BRACKET R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6H
3024	DZLF000136	D GEAR,B29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7H, 8H
3025	DZLF000133	F GEAR,B49B19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6K, 7J, 8H, 8J
3026	DZLF000134	F GEAR,B44		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6J, 8I
3027	DZLF000135	F GEAR,B47		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7J, 8I
3028	DZJC000083	CIS PLATE L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6D
3029	DZJC000084	CIS PLATE R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3030	DZAL000038	CIS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3031	DZLA000084	ROLLER,SCANNER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3032	DZHT000016	ASSY,THERMAL HEAD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F, 5K
5S	XTB2+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4A, 7F
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C, 4F

Mechanical Unit (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
3001	DZLA000085	ROLLER RECORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1G
3004	DZHC000031	ACTUATOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2F
3006	DZKP000079	SPRING,PLATE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2D
3007	DZKJ000003	CAM		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C
3008	DZKG000032	SHAFT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F
3009	DZKL000009	LEVER,RELEASE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4G
3010	DZJA000158	CHASSIS,HEADSP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
3011	DZNK000241	PAPER GUIDE		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
3013	DZLM000046	BUSH,P6		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B, 3A, 7H, 8G
3014	DZJA000156	BRACKET L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3015	DZKQ000002	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B
3016	DZKL000010	GUIDE LEVER L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4C
3017	DZJF000169	CHASSIS, PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3020	DZKL000011	GUIDE LEVER R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3021	DZKQ000003	SPRING COIL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7G
3022	35S1N15DCNX	STEPPING MOTOR		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4H, 4I
3023	DZJA000157	BRACKET R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6H
3024	DZLF000136	D GEAR,B29		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7H, 8H
3025	DZLF000133	F GEAR,B49B19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6K, 7J, 8H, 8J
3026	DZLF000134	F GEAR,B44		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6J, 8I
3027	DZLF000135	F GEAR,B47		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7J, 8I
3028	DZJC000083	CIS PLATE L		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6D
3029	DZJC000084	CIS PLATE R		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6F
3030	DZAL000038	CIS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3031	DZLA000084	ROLLER,SCANNER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
3032	DZHT000016	ASSY,THERMAL HEAD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1H
19	XTB3+8J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3F, 5K
5S	XTB2+6J	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4A, 7F
C3	DZPB000006	SCREW		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C, 4F

7.4 Cables (1/2)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
4001	DZFP000176	CABLE,MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B
4003	DZFP000167	FFC,PNL1		-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	3E
4004	DZFP000168	FFC,PNL2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
4007	DZFA000015	ASSY,INLET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1I
4010	DZFP000171	CABLE,SP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
4011	DZFP000189	ASSY,FS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
4012	DZFP000174	CABLE,RPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4013	DZFP000166	CABLE,TH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6G
4014	DZFP000165	CABLE,IMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5D
4015	DZFP000173	CABLE,SPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4026	DZFP000190	CABLE,FG4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C

Cables (2/2)

Ref No.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
4001	DZFP000176	CABLE,MIC		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2B
4003	DZFP000167	FFC,PNL1		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3E
4004	DZFP000168	FFC,PNL2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
4007	DZFA000015	ASSY,INLET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1I
4010	DZFP000171	CABLE,SP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4I
4011	DZFP000189	ASSY,FS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4J
4012	DZFP000174	CABLE,RPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4013	DZFP000166	CABLE,TH		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6G
4014	DZFP000165	CABLE,IMS		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5D
4015	DZFP000173	CABLE,SPAP		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5F
4026	DZFP000190	CABLE,FG4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2C

7.5 Packing & Accessories (1/3)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
5001	DZRB000058	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
5001	DZRB000059	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
5002	DZSD000133	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000134	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000137	USER'S GUIDE		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4D
5002	DZSD000138	USER'S GUIDE		1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	4D
5002	DZSD000140	USER'S GUIDE		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4D
5002	DZSD000141	USER'S GUIDE		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4D
5002	DZSD000142	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4D
5002	DZSD000143	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	4D
5002	DZSD000144	USER'S GUIDE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	4D
5002	DZSD000145	USER'S GUIDE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000146	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4D
5002	DZSD000148	USER'S GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
5002	DZSD000154	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
5006	DZSD000156	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000157	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000160	QUICK REFERENCE GUIDE		-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4D
5006	DZSD000161	QUICK REFERENCE GUIDE		1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	4D
5006	DZSD000163	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4D
5006	DZSD000164	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4D
5006	DZSD000165	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4D
5006	DZSD000166	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	4D
5006	DZSD000167	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	4D
5006	DZSD000168	QUICK REFERENCE GUIDE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000169	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4D
5006	DZSD000171	QUICK REFERENCE GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4D
5006	DZSD000174	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
5008	DZRH000077	CUSHION SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B, 7E
5011	THM-493E	RECORDING PAPER (LETTER)		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7C
5011	THM-393E	RECORDING PAPER (A4)		1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
5012	DZRH000078	CUSHION,PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
5014	DZFM000003	PS CORD		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
5014	DZFM000027	PS CORD		-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
5014	DZFM000004	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000012	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000028	PS CORD		1	-	-	1	-	1	1	1	-	1	-	-	-	1	1	-	1	6A
5014	DZFM000008	PS CORD		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	6A
5014	DZFM000029	PS CORD		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	6A
5014	DZFM000011	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6A
5014	DZFM000030	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	6A
5014	DZFM000009	PS CORD		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5014	DZFM000031	PS CORD		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5014	DZFM000010	PS CORD		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A
5014	DZFM000032	PS CORD		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A

Packing & Accessories (2/3)

o.	Part No.	Description	NLA	AS	AT	AV	AW	YA	YC	YJ	YL	YM	YQ	YS	YT	YV	YW	YX	YY	Location
	DZRB000058	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3E
	DZRB000059	CARTON BOX		1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	3E
	DZRB000061	CARTON BOX		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3E
	DZSD000136	USER'S GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4D
	DZSD000139	USER'S GUIDE		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000146	USER'S GUIDE		-	-	-	1	-	1	1	-	1	-	-	1	-	-	1	-	4D
	DZSD000147	USER'S GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
	DZSD000155	USER'S GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000159	QUICK REFERENCE GUIDE		-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4D
	DZSD000162	QUICK REFERENCE GUIDE		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZSD000169	QUICK REFERENCE GUIDE		-	-	-	1	-	1	1	-	1	-	-	1	-	-	1	-	4D
	DZSD000170	QUICK REFERENCE GUIDE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4D
	DZSD000175	QUICK REFERENCE GUIDE		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4D
	DZRH000077	CUSHION SET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4B, 7E
	THM-493E	RECORDING PAPER (LETTER)		-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	1	7C
	THM-393E	RECORDING PAPER (A4)		1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	-	7C
	DZRH000078	CUSHION,PAPER		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7C
	DZFM000003	PS CORD		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	6A
	DZFM000027	PS CORD		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	6A
	DZFM000004	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000012	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000028	PS CORD		1	1	1	-	-	1	1	-	-	1	1	1	-	1	-	-	6A
	DZFM000008	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	6A
	DZFM000029	PS CORD		-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	6A
	DZFM000009	PS CORD		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFM000031	PS CORD		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFM000007	PS CORD		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFM000033	PS CORD		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFN000050	LINE CABLE		1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZFN000043	LINE CABLE		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6A
	DZFN000051	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6A
	DZFN000056	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZFN000057	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
	DZDU000017	HANDSET		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8C
	DZFB000004	PTT PLUG		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
	DZFB000012	PTT PLUG		-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
	DZQE000003	ROSETT		-	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	7A
	DZQE000002	ADAPTER		-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	7B

Packing & Accessories (3/3)

Ref No.	Part No.	Description	NLA	AA	AB	AC	AD	AE	AF	AG	AH	EE	AJ	AK	AL	AM	AN	AP	AQ	AR	Location
5015	DZFN000050	LINE CABLE		-	-	1	1	1	1	-	-	1	1	-	-	-	-	1	1	1	6A
5015	DZFN000043	LINE CABLE		-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	6A
5015	DZFN000030	LINE CABLE		-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	6A
5015	DZFN000017	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6A
5015	DZFN000025	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6A
5015	DZFN000028	LINE CABLE		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6A
5016	DZFN000056	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
5016	DZFN000057	CURL CORD		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6A
5017	DZDU000017	HANDSET		1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	8C
5017	DZDU000018	HANDSET		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8C
5020	DZFB000006	PTT PLUG		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8A
5020	DZFB000007	PTT PLUG		-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	8A
5020	DZFB000008	PTT PLUG		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	8A
5020	DZFB000009	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000002	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000010	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	8A
5020	DZFB000011	PTT PLUG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8A